

LAND APPLICATION SITE

DIXIE LEE FARMS SITE

LUDLF 1-23

LUNENBURG COUNTY

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

Landowner:

Check one:

- Page 1 of 2

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: Lunenburg

Landowner: Dixie Lee Farms Inc

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days.
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Dixie Lee Farms Inc

Landowner's Signature

7-13

Date

Robert W. Wynn, Jr.

Farm Operator Signature

464 Laurel Branch Rd

Mailing Address & Phone Number

Herbridge, VA 23944

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 3/1/10 between Dixie Lee Jamison, referred to here as "landowner", and Recyc Systems, Inc, referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as Dixie Lee Jamison ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;

2. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;

3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;

4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia to be supplied to the landowner by the permittee at the time of application of biosolids to a specific permitted site;

5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below:

Landowner Signature:

Dixie Lee Jamison

Farm Operator Signature:

Ray Gunn
Ray Gunn

Permittee:

Recyc Systems, Inc.

Mailing Address:

464 Laurel Branch Rd
Kerbsville, VA 23944

Mailing Address:

21me

Mailing Address:

P.O. Box 562
Remington, Virginia 22734
(540) 547-3300

FARM DATA SHEET

SITE NAME:	Dixie Lee Farms	COUNTY:	Lunenburg
OWNER:	Dixie Lee Farms, Inc.	OPERATOR:	R.R. 'Buck' Gunn
OWNER'S ADDRESS:	464 Laurel Branch Road Kenbridge, VA 23944	OPERATOR'S ADDRESS:	464 Laurel Branch Road Kenbridge, VA 23944
OWNER'S TELEPHONE:	434-676-8334	OPERATOR'S TELEPHONE:	434-676-8334
GENERAL FARM TYPE:	Row crop & pasture	CELL PHONE:	
# CATTLE:	20+	EMAIL:	
LAGOON or SLURRY:	None	LATITUDE/ LONGITUDE: 1-22	36° 54' 45" 78° 10' 29"
TOPO QUAD:	Kenbridge East, Kenbridge West	22-23	36° 52' 48" 78° 05' 53"
COMMENTS:			

8

Landowner Coordination Form

County or City: Lunenburg Co.

Please Print

Signature not required on this page

[illegible]

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
LUDLF 1	144.5	10B(Jan-Apr) 10C2(Jan-Apr) 12B(Dec-Apr) 12C2(Dec-Apr)	-	-	-	CM09	TM58A,P68 58A.P69	T16606A Field 14
LUDLF 2	67.5	10B(Jan-Apr) 10C2(Jan-Apr)	-	-	-	CM09	TM58A,P68	T16606A Field 15
LUDLF 3	66.6	10B2(Jan-Apr) 10C2(Jan-Apr)	-	-	-	CM09	TM46A,P20 TM 58A.P68	T16606A Fields 11,16
LUDLF 4	32.4	10B2(Jan-Apr) 10C2(Jan-Apr)	-	-	-	CM09	TM58A,P68	T16606A Field 17
LUDLF 5	28.2	-	-	-	-	CM10	TM46A,P20	T16606A Fields 1,2,3
LUDLF 6	6.3	-	-	-	-	CM10	TM46A,P20	T16606A Fields 4,5,6
LUDLF 7	34.6	-	-	-	-	CM10	TM46A,P20 TM 58A.P68	T16606A Fields 7,8,9,10
LUDLF 8	7.1	-	-	-	-	CM10	TM58A,P68	T16606A Field 12
LUDLF 9	19.8	10B(Jan-Apr)	-	-	-	CM10	TM58A,P54,68	T16606A Fields 13,21
LUDLF 10	9.7	-	-	-	-	CM10	TM58A,P54	T16606A Fields 18,20,21
LUDLF 11	18.5	-	-	-	-	CM10	TM58A,P54	T16606B Fields 19,22
LUDLF 12	19.3	-	-	-	-	CM10	TM58A,P63	T16606B Fields 23,24

LUDLF113	13.9	-	-	-	-	CM10	TM58A,P63	T16606B Fields 25,26
LUDLF114	8.1	-	-	-	-	CM10	TM58A,P63	T16606B Field 27
LUDLF115	27.5	-	-	-	-	CM10	TM58A,P63	T16606B Fields 28,29,30,32
LUDLF116	22.7	-	-	-	-	CM10	TM58A,P63	T16606B Fields 29,31
LUDLF117	11.7	-	-	-	-	CM10	TM58A,P63	T16606B Field 33
LUDLF118	48.1	-	-	-	-	CM10	TM59A,P27	T16609 Fields 1,2,3,4,5,7
LUDLF119	14.2	-	-	-	-	CM10	TM59A,P33	T16607 Field 4
LUDLF 20	29.8	-	-	-	-	CM10	TM59A,P33	T16607 Field 3
LUDLF 21	14.1	-	-	-	-	CM10	TM59A,P33,34	T16607 Fields 1,2
LUDLF 22	49.9	-	-	-	-	CM10	TM60A,P41	T16610 Field 3
LUDLF 23	9.0	-	-	-	-	CM10	TM60A,P41	T16610 Field 2
TOTAL ACRES IN SITE	703.5							

Report Number: 13-150-0502

Account Number: 70594



www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rat	Rate	Reserve ppm	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1A	08164	2.6	M	95	10	VL			35	VL	137	H	603	M			5.9	6.84	0.9	5.1
1B	08165	2.6	M	94	7	VL			40	VL	162	H	721	M			6.2	6.86	0.7	5.8
1C	08166	3.1	M	104	22	L			52	VL	139	H	634	M			5.8	6.83	1.0	5.5
1D	08167	3.2	M	106	12	VL			60	L	162	H	666	M			6.1	6.85	0.8	5.6
1E	08168	3.2	M	105	7	VL			81	L	196	H	718	M			5.9	6.82	1.1	6.6

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm
1A	1.8	22.4	59.1		17.2										
1B	1.8	23.3	62.2		12.0										
1C	2.4	21.1	57.6		19.1										
1D	2.7	24.1	59.5		13.7										
1E	3.1	24.7	54.4		17.0										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 13-150-0502

Account Number: 70594



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Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1A	Adjust pH to 6.8	0	1.5				0						
1B	Adjust pH to 6.8	0	1.3				0						
1C	Adjust pH to 6.8	0	1.5				0						
1D	Adjust pH to 6.8	0	1.3				0						
1E	Adjust pH to 6.8	0	1.5				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

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Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C			
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rat	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g		
1F	08169	2.7	M	96	5		VL			34		VL	175		H	729		M		6.2	6.86	0.7	5.9
2A	08170	2.1	L	85	37		M			45		L	93		H	630		M		5.9	6.85	0.8	4.9
2B	08171	2.0	L	84	10		VL			71		M	107		H	559		M		6.2	6.88	0.5	4.4
3A	08172	2.4	L	92	67		H			65		L	91		H	397		L		5.4	6.82	1.1	4.1
3B	08173	2.3	L	89	15		L			33		VL	128		H	643		M		6.1	6.86	0.7	5.1

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
1F	1.5	24.7	61.8		12.1																			
2A	2.4	15.8	64.3		17.1																			
2B	4.1	20.3	63.5		12.1																			
3A	4.1	18.5	48.4		28.0																			
3B	1.7	20.9	63.0		13.6																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 13-150-0502

Account Number: 70594



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A&L Eastern Laboratories

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Send To: RECYC SYSTEMS INC
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8455 WHITESHOP RD
CULPEPER VA 22701

Grower:

DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO

Farm ID:

Date Received: 05/30/2013

Date Of Report: 06/03/2013 SOI

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1F	Adjust pH to 6.8	0	1.3				0						
2A	Adjust pH to 6.8	0	1.5				0						
2B	Adjust pH to 6.8	0	1.3				0						
3A	Adjust pH to 6.8	0	1.8				0						
3B	Adjust pH to 6.8	0	1.3				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

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LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
4A	08174	3.1	M	103	79	H			139	H	132	H	562	L			5.3	6.74	1.9	6.2
4B	08175	3.2	M	105	64	H			140	H	136	H	564	L			5.3	6.74	1.9	6.3
5	08176	1.8	L	81	104	H			45	L	80	H	463	M			6.2	6.89	0.4	3.5
6	08177	1.5	L	75	156	VH			45	L	68	H	391	M			5.9	6.88	0.5	3.2
7A	08178	1.4	L	74	151	VH			34	VL	68	H	378	M			5.9	6.88	0.5	3.1

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	SS ms/cm	Cl ppm	Al ppm
4A	5.7	17.7	45.3		31.0										
4B	5.7	18.0	44.8		30.8										
5	3.3	19.0	66.1		12.2										
6	3.6	17.7	61.1		17.1										
7A	2.8	18.3	61.0		17.0										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

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This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGroary*

Paucic-McGroary

Report Number: 13-150-0502

Account Number: 70594



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Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
4A	Adjust pH to 6.8	0	2.3				0						
4B	Adjust pH to 6.8	0	2.3				0						
5	Adjust pH to 6.8	0	1.3				0						
6	Adjust pH to 6.8	0	1.5				12						
7A	Adjust pH to 6.8	0	1.5				12						

Comments:

Sample(s) : 6,7A Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paucic McGeary

Paucic McGroary

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8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus			Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm Rat Rate	Reserve ppm Rate		K ppm Rate		Mg ppm Rate		Ca ppm Rate		Na ppm Rate		Soil pH	Buffer Index	H meq/100g	meq/100g
7B	08179	1.3	L	71	136 VH			38 VL		71 H		438 M				6.2	6.89	0.4	3.3
8	08180	1.8	L	82	191 VH			62 L		58 H		328 M				5.5	6.85	0.8	3.1
9	08181	1.5	L	76	166 VH			52 L		66 H		355 M				5.7	6.86	0.7	3.1
10	08182	1.4	L	75	126 VH			56 L		42 H		264 M				5.7	6.88	0.5	2.3
11	08183	1.5	L	76	166 VH			65 L		54 H		301 M				5.5	6.86	0.7	2.9

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate		S ppm Rate		Zn ppm Rate		Mn ppm Rate		Fe ppm Rate		Cu ppm Rate		B ppm Rate		SS ms/cm Rate		Cl ppm Rate		Al ppm
7B	3.0	17.9	66.4		12.0																			
8	5.1	15.6	52.9		25.5																			
9	4.3	17.7	57.3		21.2																			
10	6.2	15.2	57.4		21.1																			
11	5.7	15.5	51.9		25.4																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucie McGeary*

Paucie McGeary

Report Number: 13-150-0502

Account Number: 70594



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A&L Eastern Laboratories

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Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
7B	Adjust pH to 6.8	0	1.3				9						
8	Adjust pH to 6.8	0	1.8				22						
9	Adjust pH to 6.8	0	1.5				14						
10	Adjust pH to 6.8	0	1.5				38						
11	Adjust pH to 6.8	0	1.8				26						

Comments:

Sample(s) : 8,9,10,11 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paucic McGeary

Paucic McGeary

Report Number: 13-150-0502

Account Number: 70594



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8455 WHITESHOP RD
CULPEPER VA 22701

Grower:

DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO

Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

Sample ID Field ID	Lab Number	Date of Analysis: 08/06/2010 Date of Report: 08/06/2010																			
		Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C	
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rat	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
12	08184	1.6	L	77	134		VH			55	L	52	M	262	L			4.9	6.78	1.5	3.4
13	08185	1.6	L	77	96		H			58	L	62	H	319	L			5.4	6.84	0.9	3.2
14	08186	1.3	L	72	129		VH			50	L	48	M	286	M			5.3	6.84	0.9	2.8
15	08187	1.4	L	73	119		VH			74	M	60	H	297	L			5.3	6.83	1.0	3.2
16	08188	1.3	L	71	72		H			66	M	59	M	300	L			5.2	6.82	1.1	3.3

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm
12	4.1	12.7	38.5		48.4										
13	4.6	16.1	49.8		27.9										
14	4.6	14.3	51.1		31.5										
15	5.9	15.6	46.4		30.6										
16	5.1	14.9	45.5		33.9										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High), ENR - Estimated Nitrogen Release, C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucie McGroary*

Paucie McGroary

Report Number: 13-150-0502

Account Number: 70594



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SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
12	Adjust pH to 6.8	0	2.0				28						
13	Adjust pH to 6.8	0	1.8				18						
14	Adjust pH to 6.8	0	1.8				32						
15	Adjust pH to 6.8	0	1.8				20						
16	Adjust pH to 6.8	0	1.8				21						

Comments:

Sample(s) : 13,14,15,16 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

Sample(s) : 14,16 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paucic McGroary

Paucic McGroary

Report Number: 13-150-0502

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Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
17	08189	1.3	L	72	124	VH			55	L	56	H	271	L			5.2	6.83	1.0	3.0
18A	08191	1.7	L	79	113	H			64	L	79	H	469	M			6.0	6.87	0.6	3.7
18B	08192	1.6	L	77	128	VH			74	M	79	H	386	M			5.8	6.86	0.7	3.4
19	08193	2.8	M	94	67	H			109	M	243	H	1005	M			6.3	6.84	0.9	8.2
20A	08194	1.9	L	81	35	M			89	L	117	H	486	L			5.4	6.79	1.4	5.1

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
17	4.7	15.6	45.2		33.9																			
18A	4.4	17.8	63.4		15.6																			
18B	5.6	19.4	56.8		19.2																			
19	3.4	24.7	61.3		10.5																			
20A	4.5	19.1	47.6		28.1																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucie McGroary*

Paucie McGroary



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A&L Eastern Laboratories

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Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
17	Adjust pH to 6.8	0	1.8				24						
18A	Adjust pH to 6.8	0	1.3				1						
18B	Adjust pH to 6.8	0	1.5				1						
19	Adjust pH to 6.8	0	1.0				0						
20A	Adjust pH to 6.8	0	2.0				0						

Comments:

Sample(s) : 18A,18B Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paure McGroary

Report Number: 13-150-0502

Account Number: 70594



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CULPEPER VA 22701

Grower:

DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO

Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 05/30/2013

Date Of Analysis: 05/31/2013

Date Of Report: 06/03/2013

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rat	Rate	Reserve ppm	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
20B	08195	22	L	86	32		M		90	M	141	H	516	L			5.3	6.75	1.8	5.8
21	08196	2.0	L	81	62		H		110	M	155	H	588	L			5.5	6.77	1.6	6.1
22A	08197	1.7	L	79	25		L		34	VL	73	H	295	L			5.2	6.82	1.1	3.3
22B	08198	1.9	L	83	42		M		29	VL	68	H	322	L			5.1	6.79	1.4	3.6
23	08199	2.8	M	97	57		H		60	L	102	M	612	L			5.1	6.69	2.4	6.5

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Cl ppm	Al ppm
20B	4.0	20.3	44.5		30.9																	
21	4.6	21.2	48.2		25.7																	
22A	2.6	18.4	44.7		34.1																	
22B	2.1	15.7	44.7		37.6																	
23	2.4	13.1	47.1		37.6																	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Pauric McGeary*

Pauric McGeary

Report Number: 13-150-0502

Account Number: 70594



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Send To: RECYC SYSTEMS INC
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8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
DIXIE LEE FARM/LUDLF
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 05/30/2013

Date Of Report: 06/03/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
20B	Adjust pH to 6.8	0	2.3				0						
21	Adjust pH to 6.8	0	2.0				0						
22A	Adjust pH to 6.8	0	1.8				7						
22B	Adjust pH to 6.8	0	2.0				12						
23	Adjust pH to 6.8	0	2.5				0						

Comments:

Sample(s) : 22A,22B Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag.

Sample(s) : 23 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paucic McGeary

Paucic McGroary

NUTRIENT MANAGEMENT PLAN IDENTIFICATION

Operator

R.R. Gunn
464 Laurel Branch Road
Kenbridge, VA 23944
434-676-8334

Integrator:None

Farm Coordinates

Easting: 0, Northing: 0, zone: 17

Watershed Summary

watershed: CM09-CM10
county: Lunenburg

Nutrient Management Planner

~~Harrison Mobley~~
~~10670 Zilles Road~~
~~Blackstone, VA 23824~~
~~Certification Code: 341~~

Acreage Use Summary

Total Acreage in this plan: 703.5

Cropland: 390. 390.2

Hayland: 313. 313.3

Pasture: 0 0.

Specialty: 0 0.

Livestock Summary

Beef Cattle 0 0

Dairy Cattle 0 0

Poultry 0 0

Swine 0 0

Other 0 0

Manure Production Balance

	Imported	Produced	Exported	Used	Net
kgals	0.	0.	0.	0.	0.
toms	0.	0.	0.	0.	0.

Plan written 1/1/2013

Valid until 1/1/2014

Signature: _____

Planner

date

Nutrient Management Plan Balance Sheet
(Spring, 2013-Spring, 2014)
New FarmDixie Lee Farms

~~Blanner-Harrison-Moody (Cert. No. 214)~~

Tract: T 16606A Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
O/LUWDLF 1(N)	145/145	2013	Hay/Pasture	100-90-120	0/0				100-90-120	N/A			
O/LUWDLF 2(N)	68/68	2013	Hay/Pasture	100-60-110	0/0				100-60-110	N/A			
O/LUWDLF 3(N)	69/69	2013	Hay/Pasture	100-40-120	0/0				100-40-120	N/A			
O/LUWDLF 4(N)	32/32	2013	Hay/Pasture	100-40-70	0/0				100-40-70	N/A			
O/LUWDLF 5(N)	28/28	2013	Soybeans (FS)	0-20-80	0/0				0-20-80	N/A			
O/LUWDLF 6(1P)	6/6	2013	Soybeans (FS)	0-0-80	0/0				0-0-80	26			
O/LUWDLF 7(1P)	32/32	2013	Soybeans (FS)	0-0-100	0/0				0-0-100	27			
O/LUWDLF 8(1P)	7/7	2013	Soybeans (FS)	0-0-80	0/0				0-0-80	23			
O/LUWDLF 9(1P)	21/21	2013	Soybeans (FS)	0-0-80	0/0				0-0-80	23			
O/LUWDLF 10(N)	7/7	2013	Soybeans (FS)	0-20-80	0/0				0-20-80	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: T16606B Location: Lunenburg

(N = N-based, 1P = P-based, 5P = P-based at 5 removal, 0P = No P allowed) No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Bios Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
O/LUJDLF 11(1P)	20/20	2013	Soybeans (FS)	0-0-80	0/0				0-0-80	23			
O/LUJDLF 12(1P)	19/19	2013	Soybeans (FS)	0-0-80	0/0				0-0-80	28			
O/LUJDLF 13(N)	14/14	2013	Soybeans (FS)	0-30-80	0/0				0-30-80	N/A			
O/LUJDLF 14(1P)	8/8	2013	Soybeans (FS)	0-0-80	0/0				0-0-80	23			
O/LUJDLF 15(N)	28/28	2013	Soybeans (FS)	0-20-60	0/0				0-20-60	N/A			
O/LUJDLF 16(N)	23/23	2013	Soybeans (FS)	0-30-80	0/0				0-30-80	N/A			
O/LUJDLF 17(N)	11/11	2013	Soybeans (FS)	0-20-80	0/0				0-20-80	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: T 16607 Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
0/LUDLF 19(N)	14/14	2013	Soybeans (FS)	0-40-40	0/0				0-40-40	N/A			
0/LUDLF 20(N)	30/30	2013	Soybeans (FS)	0-60-60	0/0				0-60-60	N/A			
0/LUDLF 21(N)	14/14	2013	Soybeans (FS)	0-40-40	0/0				0-40-40	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: T 16609 Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
0/LUDLF 18(N)	48/48	2013	Soybeans (FS)	0-20-80	0/0				0-20-80	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: T 16610 Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
0/LUDLF 22(N)	50/50	2013	Soybeans (FS)	0-60-100	0/0				0-60-100	N/A			
0/LUDLF 23(N)	9/9	2013	Soybeans (FS)	0-40-80	0/0				0-40-80	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

New FarmDixie Lee Farms Narrative

This is the Dixie Lee Farms, Inc. farm located in Lunenburg County. The farm consists of crop and pasture fields.

This is a partial plan written for the purpose of obtaining a biosolids permit. Biosolids application has not been shown since it is uncertain when a permit will be obtained. The partial plan will be revised prior to biosolids application to obtain a target biosolids application rate.

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
T 16606A	LUDLF 1	145	2013-Sp	L- (11 P ppm)	L+ (50 K ppm)	A&L MIII	6.		
T 16606A	LUDLF 2	68	2013-Sp	M- (24 P ppm)	M- (58 K ppm)	A&L MIII	6.1		
T 16606A	LUDLF 3	69	2013-Sp	M+ (41 P ppm)	L+ (49 K ppm)	A&L MIII	5.8		
T 16606A	LUDLF 4	32	2013-Sp	H (72 P ppm)	H- (140 K ppm)	A&L MIII	5.3		
T 16606A	LUDLF 5	28	2013-Sp	H+ (104 P ppm)	L+ (45 K ppm)	A&L MIII	6.2		
T 16606A	LUDLF 6	6	2013-Sp	VH (156 P ppm)	L+ (45 K ppm)	A&L MIII	5.9		
T 16606A	LUDLF 7	32	2013-Sp	VH (144 P ppm)	L (36 K ppm)	A&L MIII	6.1		
T 16606A	LUDLF 8	7	2013-Sp	VH (191 P ppm)	M- (62 K ppm)	A&L MIII	5.5		
T 16606A	LUDLF 9	21	2013-Sp	VH (166 P ppm)	L+ (52 K ppm)	A&L MIII	5.7		
T 16606A	LUDLF 10	7	2013-Sp	H+ (126 P ppm)	M- (56 K ppm)	A&L MIII	5.7		
T 16606B	LUDLF 11	20	2013-Sp	VH (166 P ppm)	M- (65 K ppm)	A&L MIII	5.5		
T 16606B	LUDLF 12	19	2013-Sp	VH (134 P ppm)	M- (55 K ppm)	A&L MIII	4.9		
T 16606B	LUDLF 13	14	2013-Sp	H (96 P ppm)	M- (58 K ppm)	A&L MIII	5.4		
T 16606B	LUDLF 14	8	2013-Sp	VH (129 P ppm)	L+ (50 K ppm)	A&L MIII	5.3		
T 16606B	LUDLF 15	28	2013-Sp	H+ (119 P ppm)	M (74 K ppm)	A&L MIII	5.3		
T 16606B	LUDLF 16	23	2013-Sp	H (72 P ppm)	M- (66 K ppm)	A&L MIII	5.2		
T 16606B	LUDLF 17	11	2013-Sp	H+ (124 P ppm)	M- (55 K ppm)	A&L MIII	5.2		
T 16607	LUDLF 19	14	2013-Sp	H- (67 P ppm)	M+ (109 K ppm)	A&L MIII	6.3		
T 16607	LUDLF 20	30	2013-Sp	M (34 P ppm)	M (90 K ppm)	A&L MIII	5.4		
T 16607	LUDLF 21	14	2013-Sp	H- (62 P ppm)	M+ (110 K ppm)	A&L MIII	5.5		
T 16609	LUDLF 18	48	2013-Sp	H+ (118 P ppm)	M- (69 K ppm)	A&L MIII	5.9		
T 16610	LUDLF 22	50	2013-Sp	M (33 P ppm)	L (32 K ppm)	A&L MIII	5.2		
T 16610	LUDLF 23	9	2013-Sp	H- (57 P ppm)	M- (60 K ppm)	A&L MIII	5.1		

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
T 16606A	0/0	LUDLF 1	145	Iredell	V	V	Not Suited	IV	
	0/0	LUDLF 2	68	Helena	V	V	Not Suited	IV	
	0/0	LUDLF 3	69	Appling	V	IV	III	IV	
	0/0	LUDLF 4	32	Appling	V	IV	III	IV	
	0/0	LUDLF 5	28	Appling	IVb	III	III	IV	
	0/0	LUDLF 6	6	Appling	IVb	III	Not Suited	IV	
	0/0	LUDLF 7	32	Caroline	IVb	III	Not Suited	IV	
	0/0	LUDLF 8	7	Appling	IVb	IV	III	IV	
	0/0	LUDLF 9	21	Appling	V	IV	III	IV	
	0/0	LUDLF 10	7	Appling	IVb	IV	III	IV	
T 16606B	0/0	LUDLF 11	20	Appling	IVb	IV	III	IV	
	0/0	LUDLF 12	19	Caroline	IVb	III	Not Suited	IV	
	0/0	LUDLF 13	14	Appling	IVb	IV	III	IV	
	0/0	LUDLF 14	8	Appling	IVb	IV	III	IV	
	0/0	LUDLF 15	28	Appling	IVb	IV	III	IV	
	0/0	LUDLF 16	23	Appling	IVb	IV	III	IV	
	0/0	LUDLF 17	11	Appling	V	IV	III	IV	
T 16607	0/0	LUDLF 19	14	Appling	IVb	IV	III	IV	
	0/0	LUDLF 20	30	Appling	IVb	IV	III	IV	
	0/0	LUDLF 21	14	Appling	V	IV	III	IV	
T 16609	0/0	LUDLF 18	48	Appling	IVb	IV	III	IV	
T 16610	0/0	LUDLF 22	50	Cecil	IVb	IV	III	IV	
	0/0	LUDLF 23	9	Appling	IVb	IV	III	IV	

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0

II
III
IV
V

~~150-170~~ 70-8
~~130-150~~ 60-7
~~100-130~~ 50-6
~~≤100~~ <5

~~70-80~~ 56-6
~~60-70~~ 48-5
~~50-60~~ 40-4
~~<50~~ <4

~~56-64~~ 4-
~~48-56~~ <
~~40-48~~ N
~~<40~~ N

~~4-6~~ 3
~~<4~~ 3
~~NA~~ <
~~NA~~ N

~~3.5~~ 4.0
~~3.0~~ 3.5
~~<3.0~~
~~NA~~

Farm Summary Report

Plan: New Plan Spring, 2013 - Spring, 2014

Farm Name: New FarmDixie Lee Farms

Location: Lunenburg

Specialist: Harrison Moody

N-based Acres: 589.2

P-based Acres: 114.3

Tract Name: T 16606A

FSA Number: 0

Location: Lunenburg

Field Name: LUDLF 1

Total Acres: 144.50 **Usable Acres:** 144.50

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: C **Hydrologic Group:** C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	6.0	L-(11 P ppm)	L+(50 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOI	SOIL SERIES
14	1B2	App	Appling
8	1C2	App	Appling
11	8B2	Georg	Georgville
6	10B	Hel	Helena
19	10C2	Hel	Helena
22	12B	Ired	Iredell
20	12C2	Ired	Iredell

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	1.5 * ton	Hay/Pasture - No Till

Field Name: LUDLF 2

Total Acres: 67.50 Usable Acres: 67.50

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	6.1	M-(24 P ppm)	M-(58 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
27	1B2 Apppling	
13	1C2 Apppling	
21	10B Helena	
38	10C2 Helena	

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	1.5 * ton	Hay/Pasture - No Till

Field Name: LUDLF 3

Total Acres: 68.90 Usable Acres: 68.90

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.8	M+(41 P ppm)	L+(49 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
36 1B	1B2 App	Appling
33 1C	1C2 App	Appling
10 10	10B Hele	Helena
21 10C	10C2 Hele	Helena

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	1.6 * ton	Hay/Pasture - No Till

Field Name: LUDLF 4

Total Acres: 32.40 Usable Acres: 32.40

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.3	H(72 P ppm)	H-(140 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
41 18	1B2 App	Appling
28 1C	1C2 App	Appling
3 10	10B Hel	Helena
28 10C	10C2 Hel	Helena

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	1.6 * ton	Hay/Pasture - No Till

Field Name: LUDLF 5

Total Acres: 28.20 Usable Acres: 28.20

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	6.2	H+(104 P ppm)	L+(45 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
63	1B2	Appling
15	1C2	Appling
21	4B	Caroline

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	28.1 * bushel(s)	Soybeans (FS) - Tilled

Field Name: LUDLF 6

Total Acres: 6.30 Usable Acres: 6.30

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.9	VH(156 P ppm)	L+(45 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
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45	1B2	Appling
20	1C2	Appling
35	4B	Caroline

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	29.3 * bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 7

Total Acres:	32.30	Usable Acres:	32.30
FSA Number:	0		
Tract:	T 16606A		
Location:	Lunenburg		
Slope Class:	B	Hydrologic Group:	C

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

P-based(1.0)
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
Sp-2013	6.1	VH(144 P ppm)	L(36 K ppm)	A&L MIII

Soils:

PERCENT	SYMBOL	SOIL SERIES
32	1B2	Appling
17	1C2	Appling
51	4B	Caroline

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	30.7 * bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 8

Total Acres: 7.10 Usable Acres: 7.10

FSA Number: 0

Tract: T 16606A

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.5	VH(191 P ppm)	M-(62 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
79	1B2	Appling
21	1C2	Appling

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 9
Total Acres: 21.40 **Usable Acres:** 21.40
FSA Number: 0
Tract: T 16606A
Location: Lunenburg
Slope Class: B **Hydrologic Group:** B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
 T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.7	VH(166 P ppm)	L+(52 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
86	1B2	Appling
7	1C2	Appling
6	10B	Helena
1	24B	Worsham

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	25.9 * bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 10
Total Acres: 6.80 **Usable Acres:** 6.80

FSA Number: 0
Tract: T 16606A
Location: Lunenburg
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.7	H+(126 P ppm)	M-(56 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
85	1B2	Appling
15	1C2	Appling

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 bushel(s)	Soybeans (FS) - No Till

Tract Name: T 16606B

FSA Number: 0

Location: Lunenburg

Field Name: LUDLF 11

Total Acres: 19.80 Usable Acres: 19.80

FSA Number: 0

Tract: T 16606B
Location: Lunenburg
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.5	VH(166 P ppm)	M-(65 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
87	1B2	Appling
13	1C2	Appling

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 * bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 12

Total Acres: 19.30 Usable Acres: 19.30

FSA Number: 0

Tract: T 16606B

Location: Lunenburg

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	4.9	VH(134 P ppm)	M-(55 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
29	1B2	Appling
13	1C2	Appling
58	4B	Caroline

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	31.3 * bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 13

Total Acres: 13.90 Usable Acres: 13.90

FSA Number: 0

Tract: T 16606B

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.4	H(96 P ppm)	M-(58 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
66	1B2	Appling
34	1C2	Appling

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 14

Total Acres: 8.10 Usable Acres: 8.10

FSA Number: 0

Tract: T 16606B

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.3	VH(129 P ppm)	L+(50 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
59	1B2	Appling
41	1C2	Appling

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 15

Total Acres: 28.20 Usable Acres: 28.20

FSA Number: 0

Tract: T 16606B

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.3	H+(119 P ppm)	M(74 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
92	1B2	Appling
8	1C2	Appling

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 * bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 16

Total Acres: 22.70 Usable Acres: 22.70

FSA Number: 0

Tract: T 16606B

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
Sp-2013	5.2	H(72 P ppm)	M-(66 K ppm)	A&L Mill.

Soils:

PERCENT	SYMBOL	SOIL SERIES
82	1B2	Appling

18

1C2 Appling

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 17

Total Acres: 11.00 Usable Acres: 11.00

FSA Number: 0

Tract: T 16606B

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0	Slope Len: 0.	R factor: 0.0	K factor: 0.0
T factor: 0.0	P factor: 1.0	Cmax: 0.000	Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.2	H+(124 P ppm)	M-(55 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
82	1B2	Appling
18	1C2	Appling

Field Warnings:**Crop Rotation:**

PLANTED YIELD CROP NAME
2013-Sp 26.3 * bushel(s) Soybeans (FS) - No Till

Tract Name: T 16607
FSA Number: 0
Location: Lunenburg

Field Name: LUDLF 19
Total Acres: 14.20 Usable Acres: 14.20
FSA Number: 0
Tract: T 16607
Location: Lunenburg
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	6.3	H-(67 P ppm)	M+(109 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
68	1B2	Appling
17	5B2	Cecil
15	1C2	Appling

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME
2013-Sp 26.3 bushel(s) Soybeans (FS) - No Till

Field Name: LUDLF 20
Total Acres: 29.80 Usable Acres: 29.80
FSA Number: 0
Tract: T 16607
Location: Lunenburg
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.4	M(34 P ppm)	M(90 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
55	1B2	Appling
38	1C2	Appling
7	5B2	Cecil

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME
2013-Sp 26.3 bushel(s) Soybeans (FS) - No Till

Field Name: LUDLF 21

Total Acres: 14.10 Usable Acres: 14.10
FSA Number: 0
Tract: T 16607
Location: Lunenburg
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.5	H-(62 P ppm)	M+(110 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
41	1B2	Appling
59	1C2	Appling

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	26.2 * bushel(s)	Soybeans (FS) - No Till

Tract Name: T 16609
FSA Number: 0
Location: Lunenburg

Field Name: LUDLF 18
Total Acres: 48.10 Usable Acres: 48.10

FSA Number: 0
Tract: T 16609
Location: Lunenburg
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.9	H+(118 P ppm)	M-(69 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
86	1B2	Appling
14	1C2	Appling

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 bushel(s)	Soybeans (FS) - No Till

Tract Name: T 16610

FSA Number: 0

Location: Lunenburg

Field Name: LUDLF 22

Total Acres: 49.90 Usable Acres: 49.90

FSA Number: 0

Tract: T 16610
Location: Lunenburg
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.2	M(33 P ppm)	L(32 K ppm)	A&L Mill	

Soils:

PERCENT	SYMBOL	SOIL SERIES
6	1B2	Appling
32	1C2	Appling
62	5B2	Cecil
0	23D2	Wedowee

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 bushel(s)	Soybeans (FS) - No Till

Field Name: LUDLF 23

Total Acres: 9.00 Usable Acres: 9.00

FSA Number: 0

Tract: T 16610

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K		Lab
Sp-2013	5.1	H-(57 P ppm)	M-(60 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBOL	SOIL SERIES
87	1B2	Appling
13	1C2	Appling
0	23D2	Wedowee

Field Warnings:

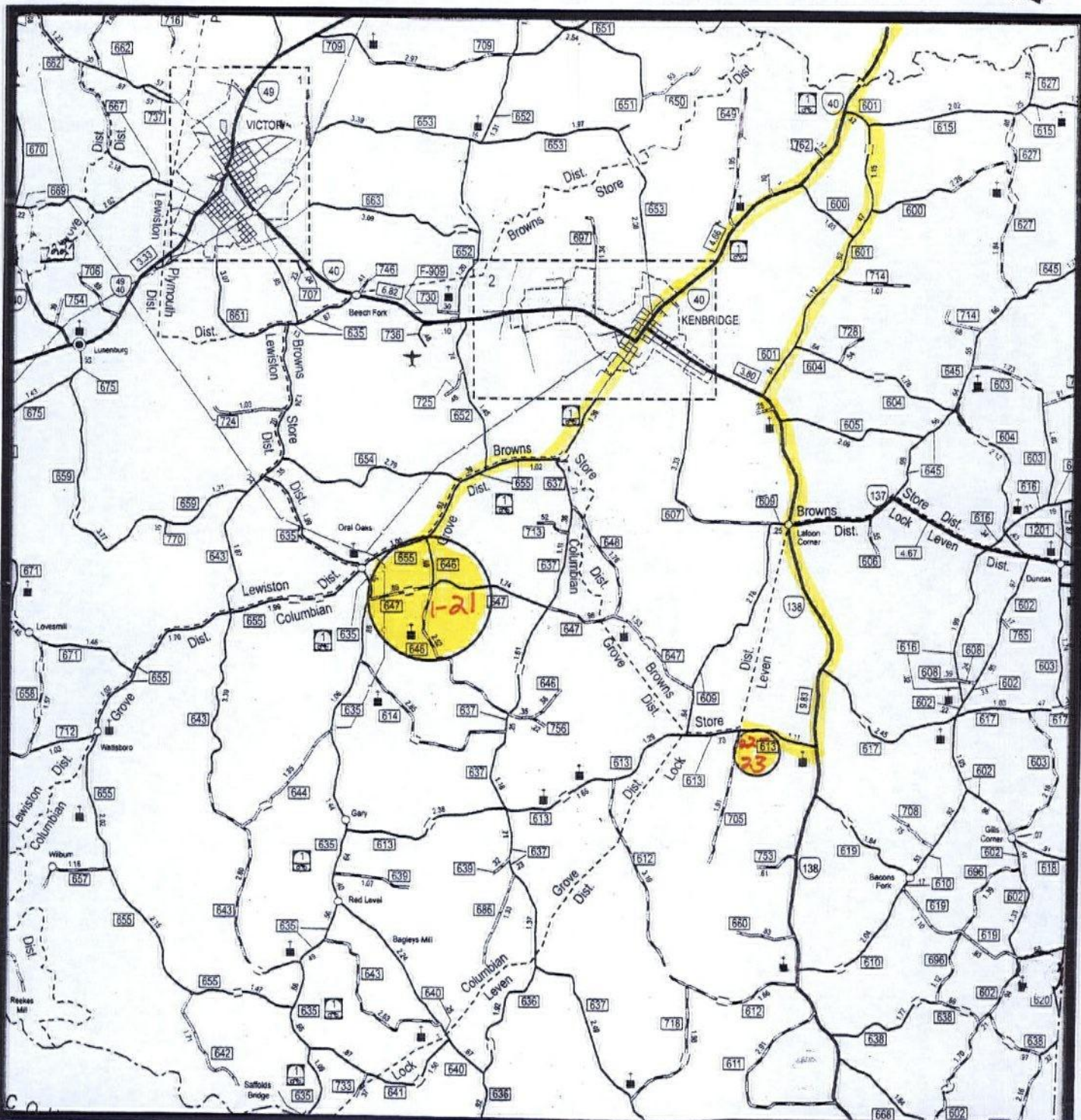
Crop Rotation:

PLANTED	YIELD	CROP NAME
2013-Sp	26.3 bushel(s)	Soybeans (FS) - No Till

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

LUDLF 1-21

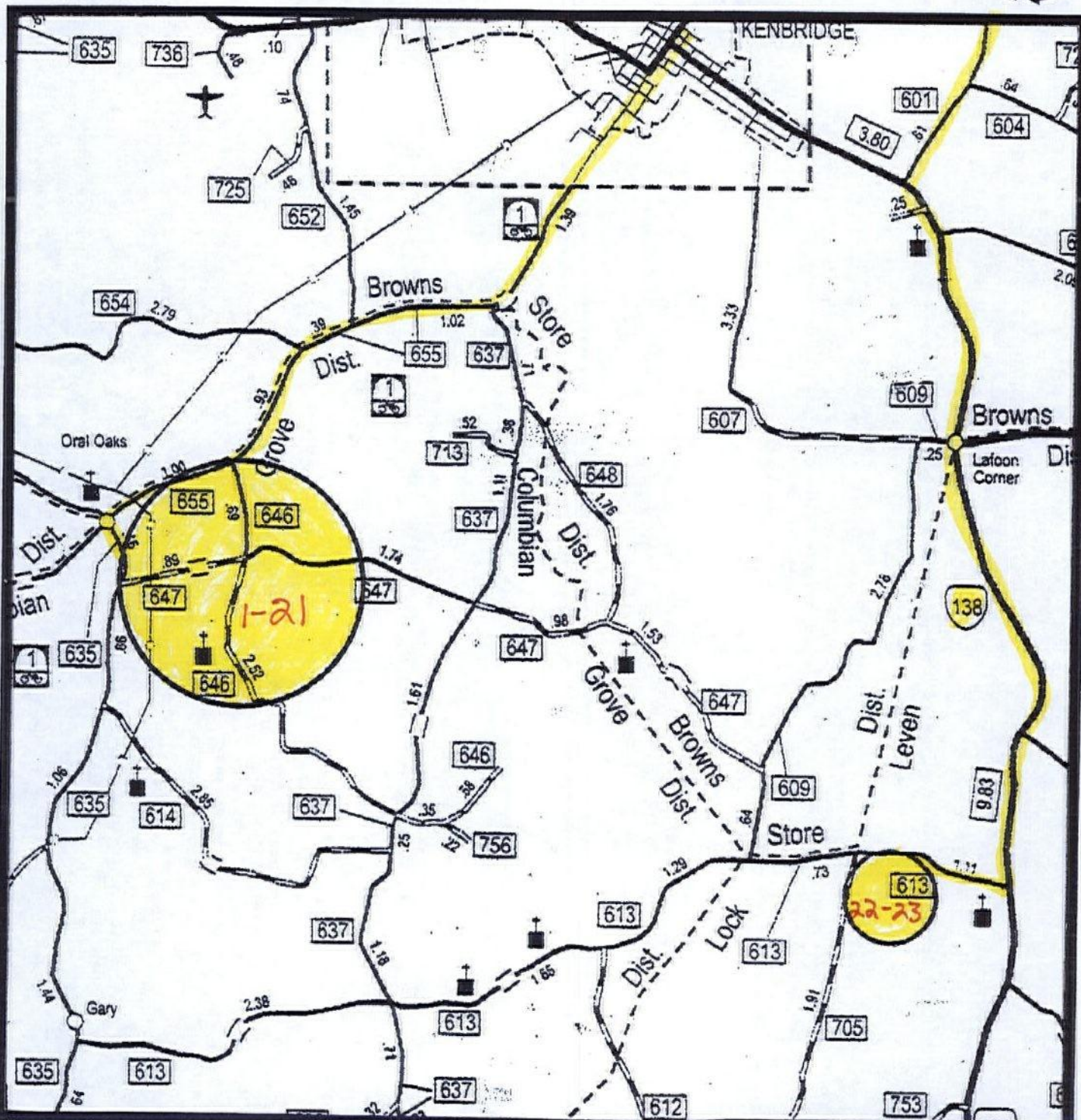
VICINITY MAP



Recyc SystemsTM

Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 mile

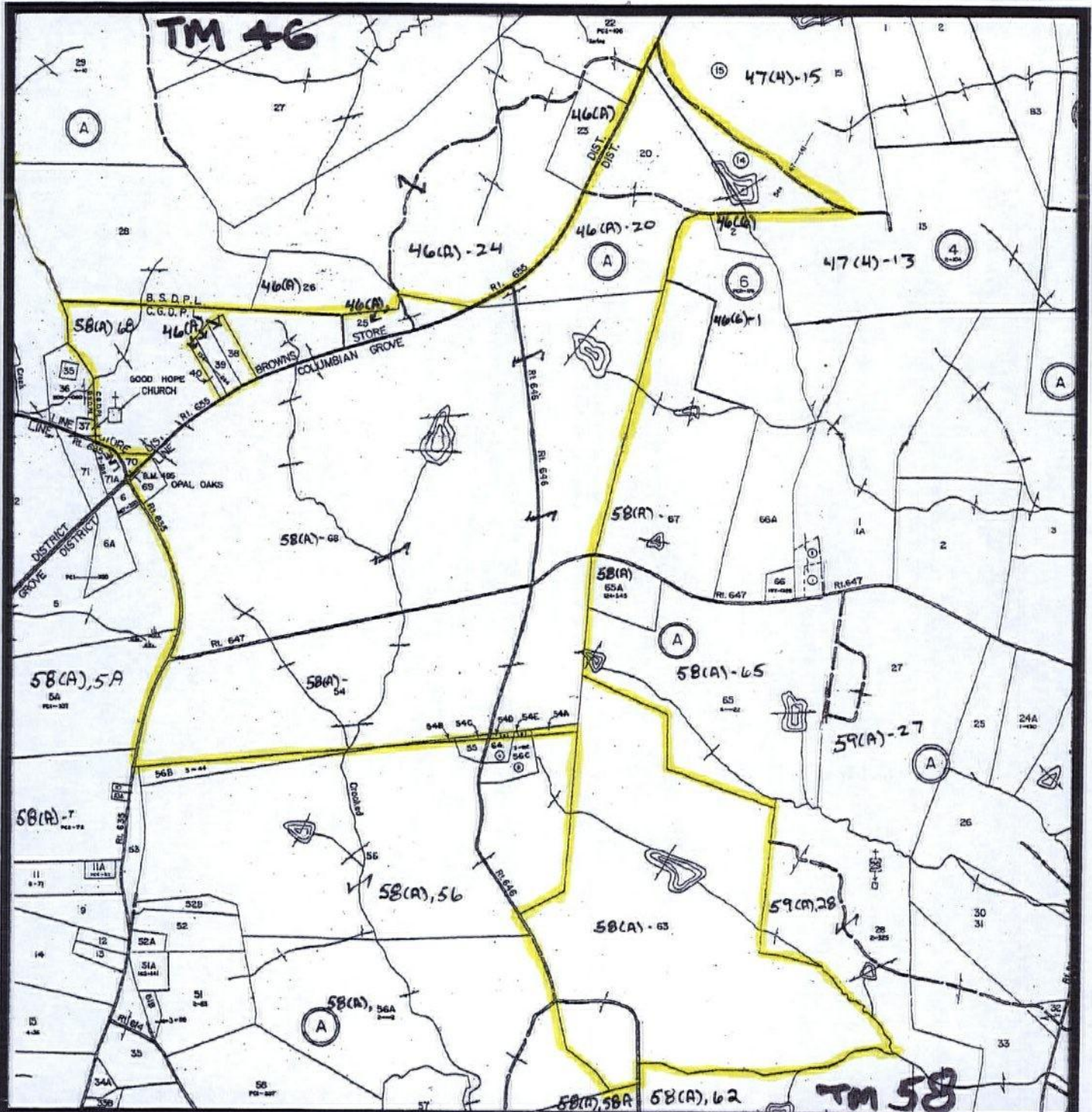
LUDLF 1-21

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



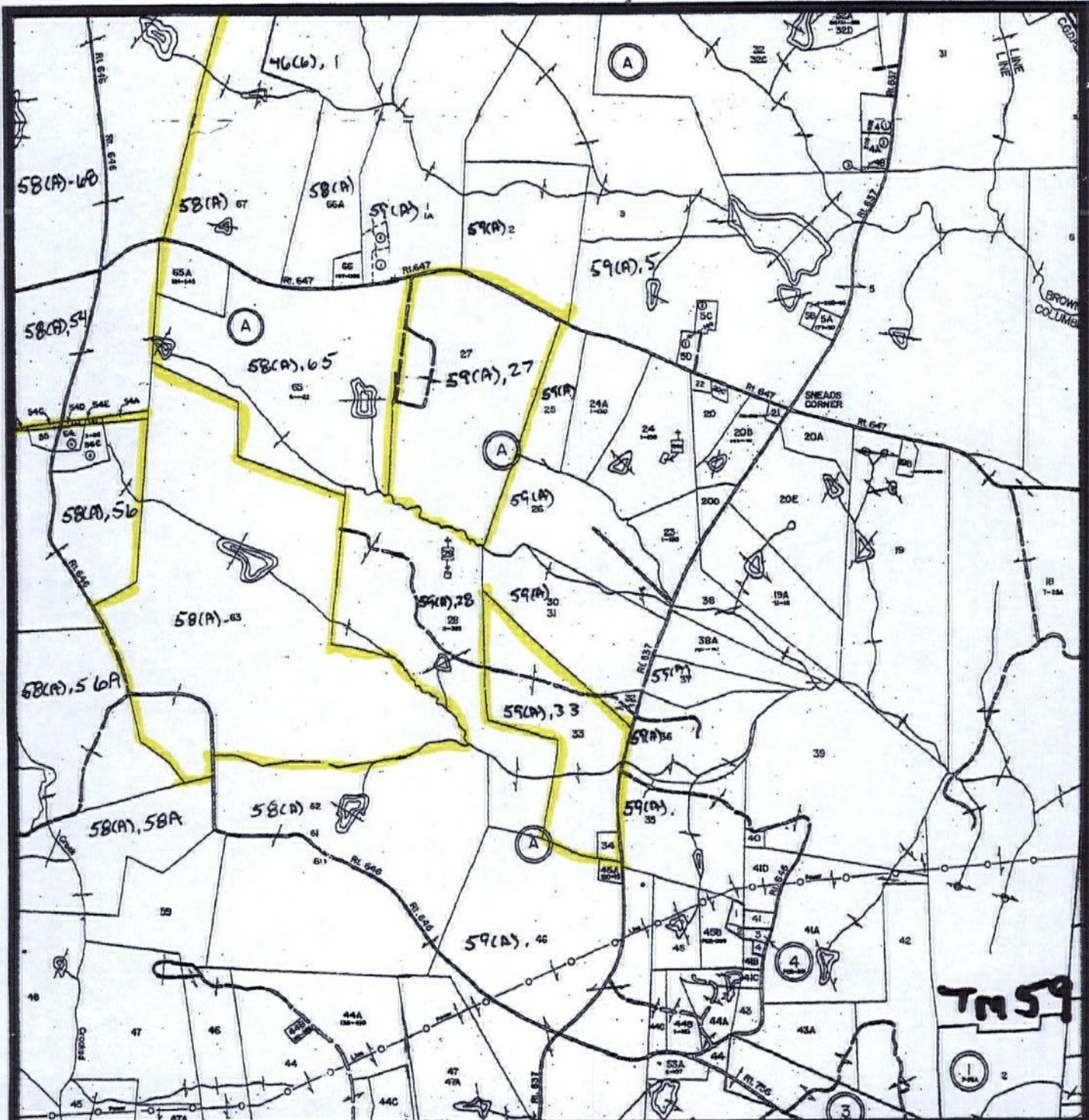
Scale: 1 inch = 2,000 feet

LUDLF 1-17

TAX MAP



(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

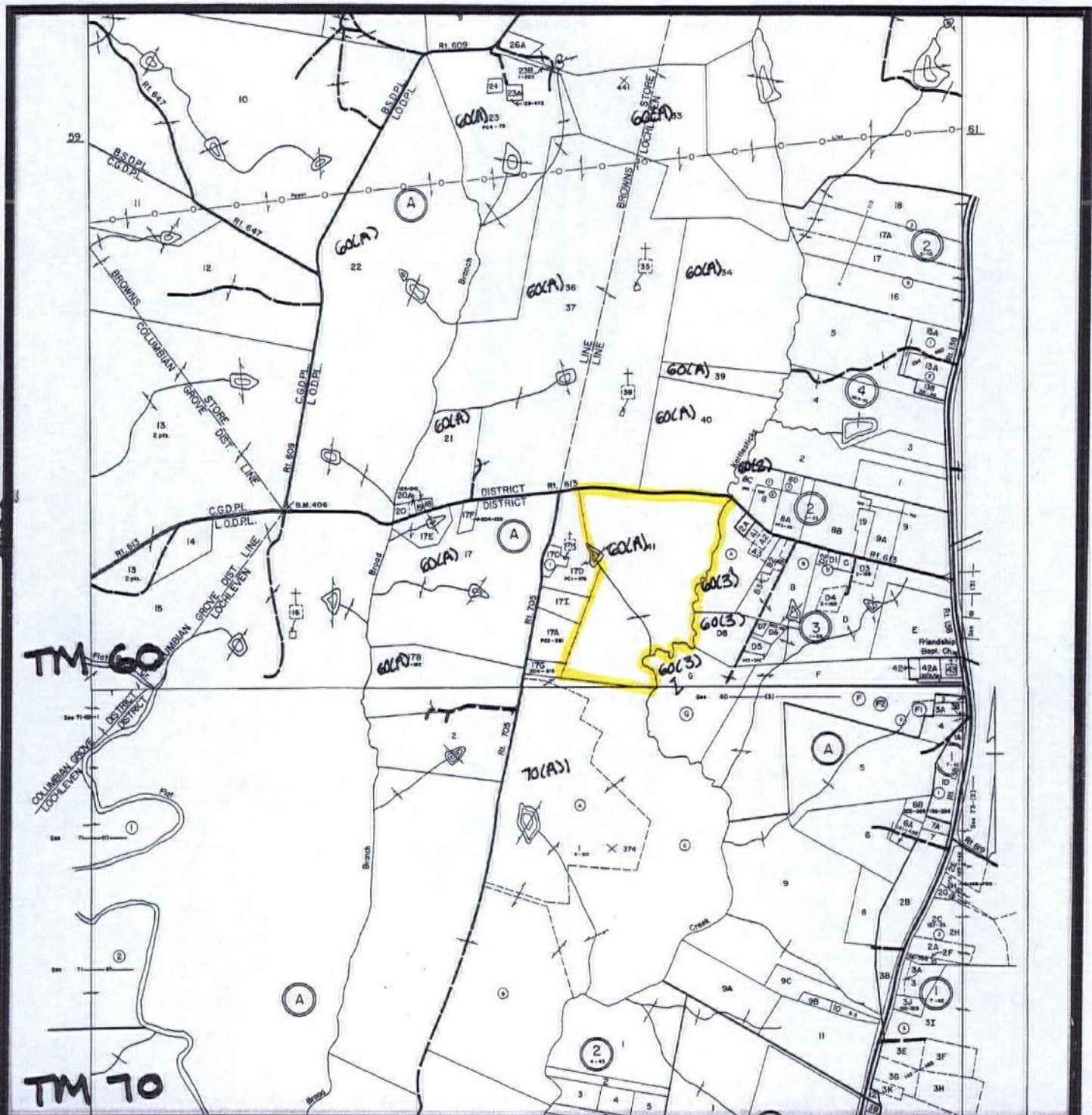
LUDLF 18-21

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 2000 ft.

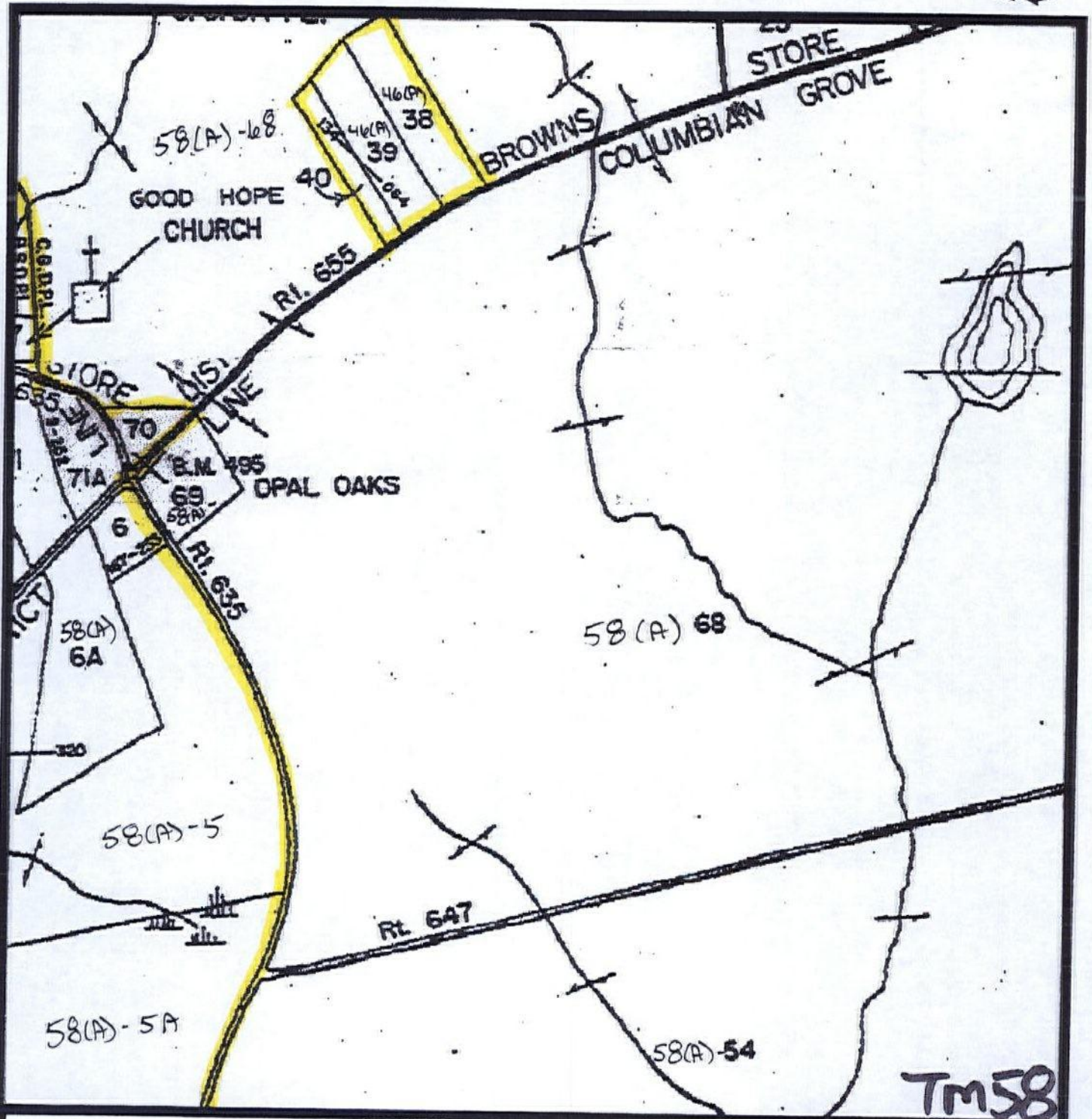
LUDLF 22-23

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

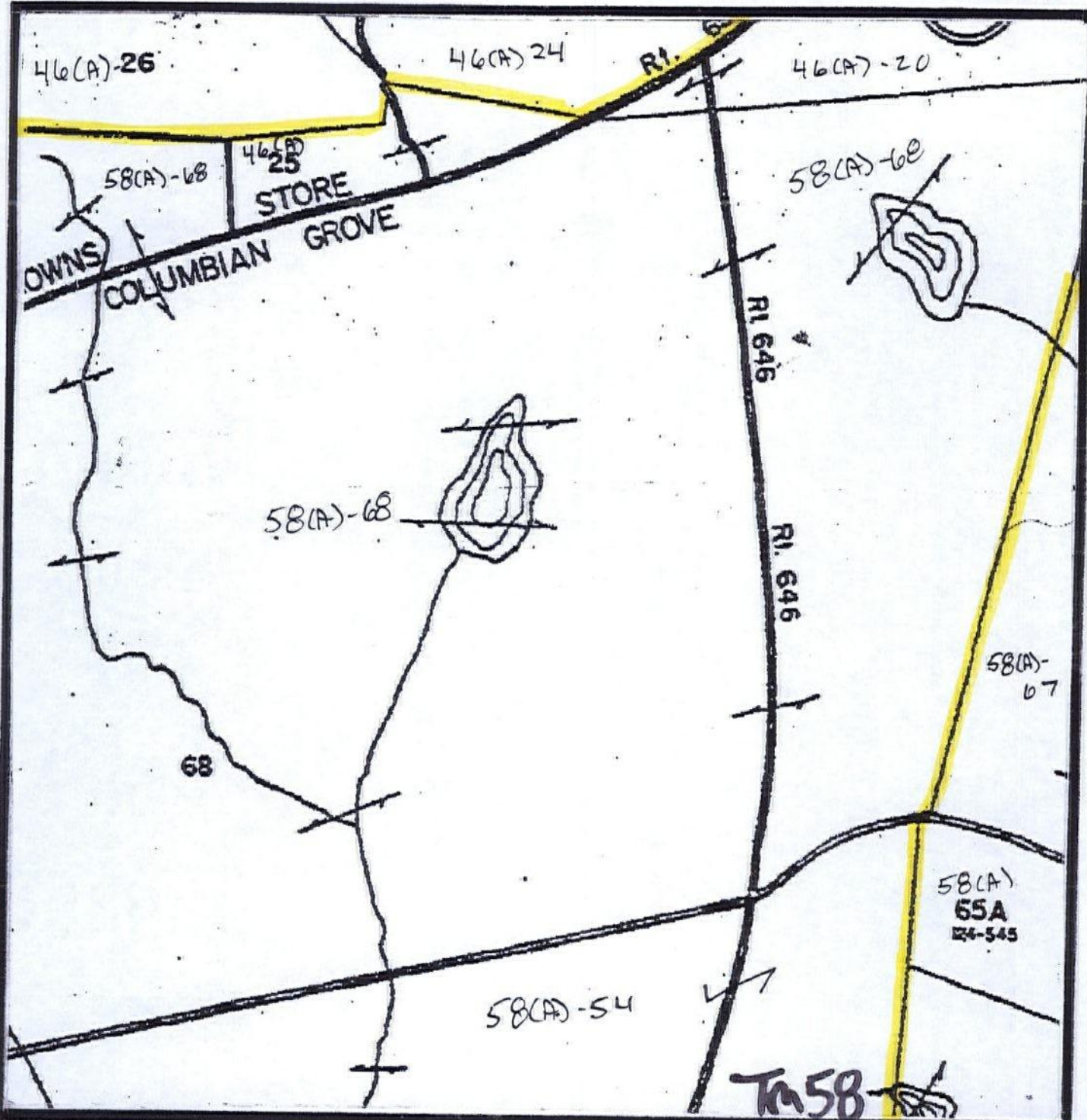
LUDLF 1

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

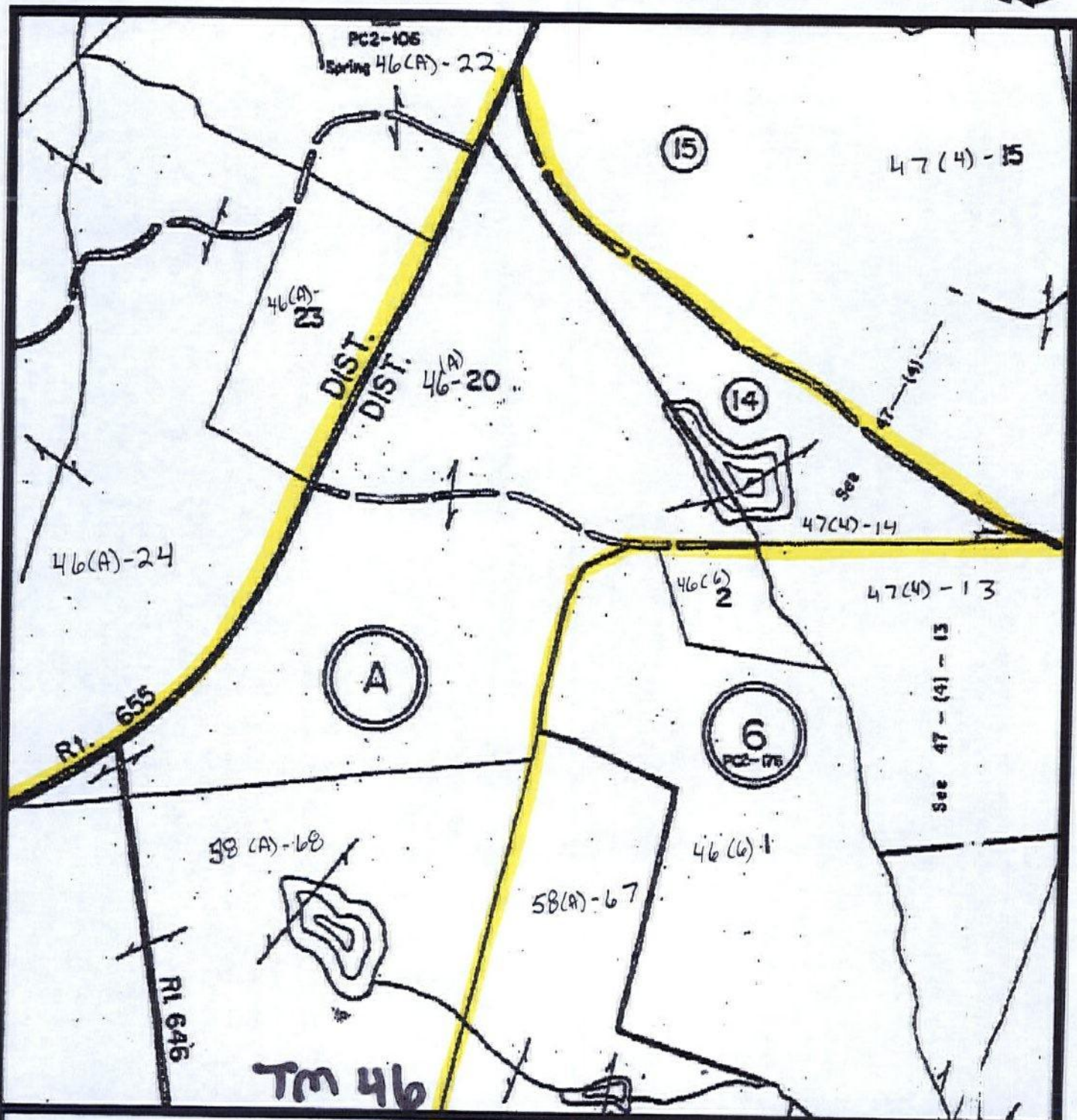
LUDLF 2-4

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

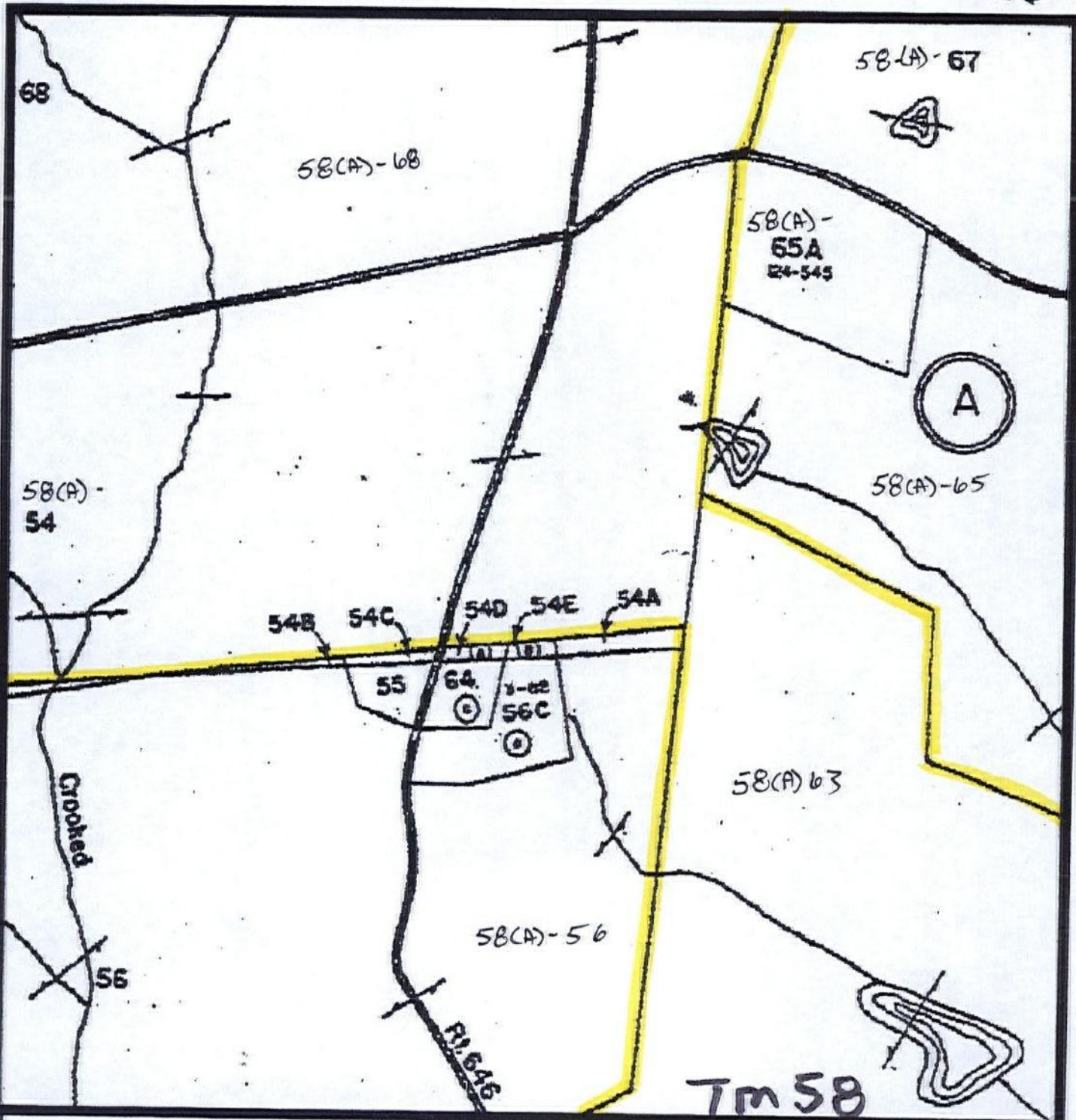
LUDLF 5-7

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUDLF 11

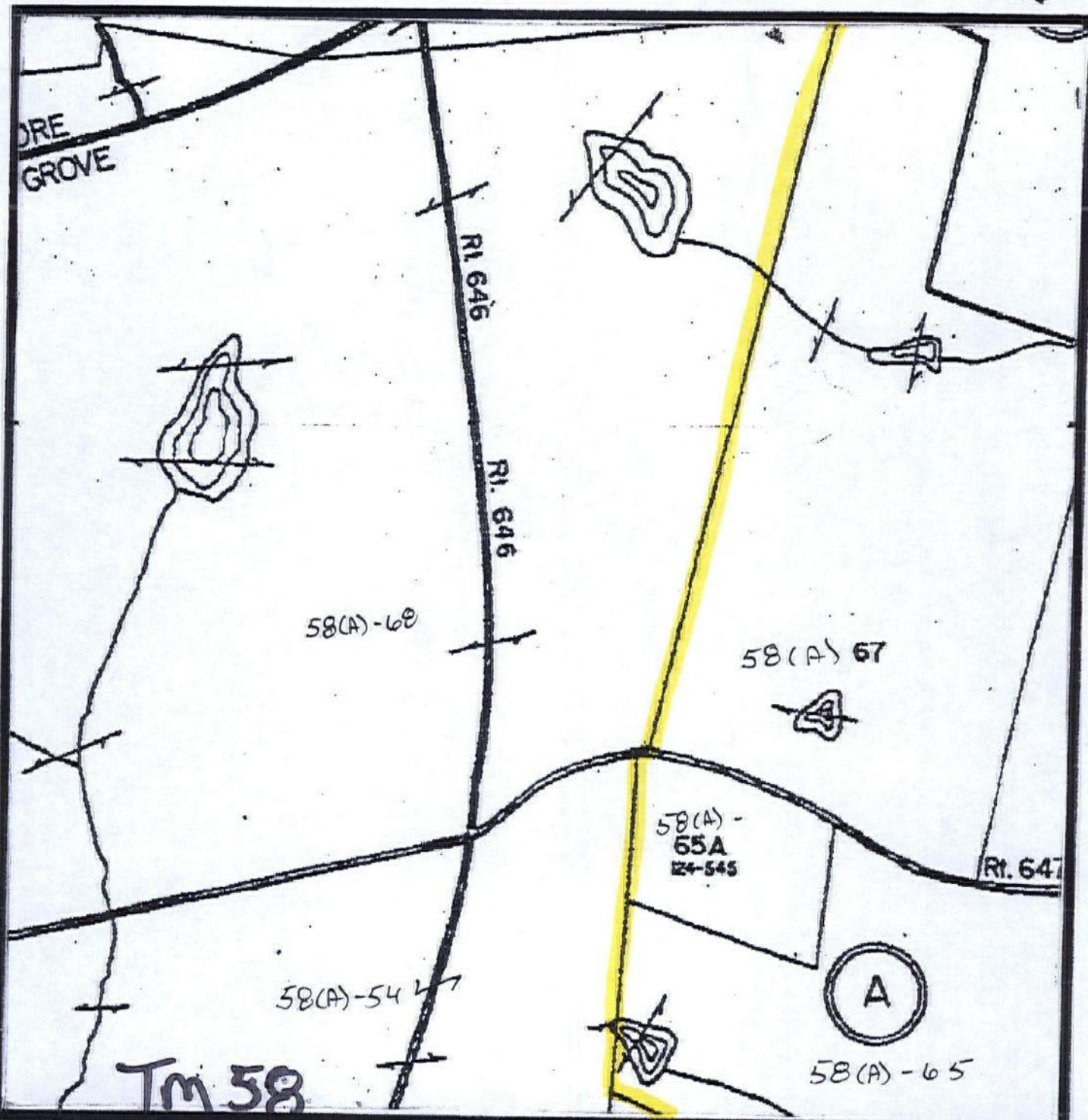
TAX MAP



Recyc SystemsTM

Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUDLF 8-10

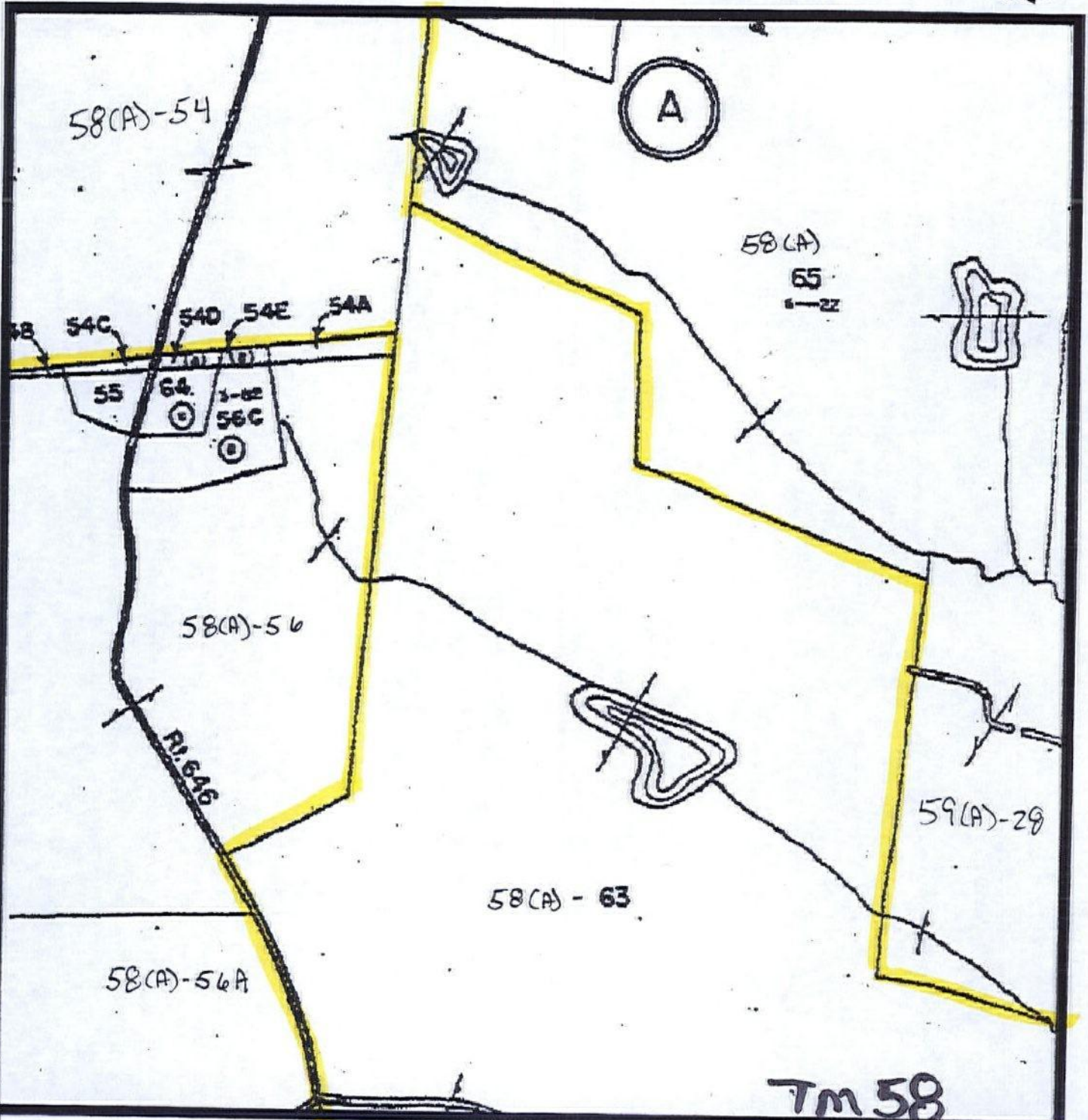
TAX MAP



Recyc SystemsTM

Inc.

(Biosolids Land Application)

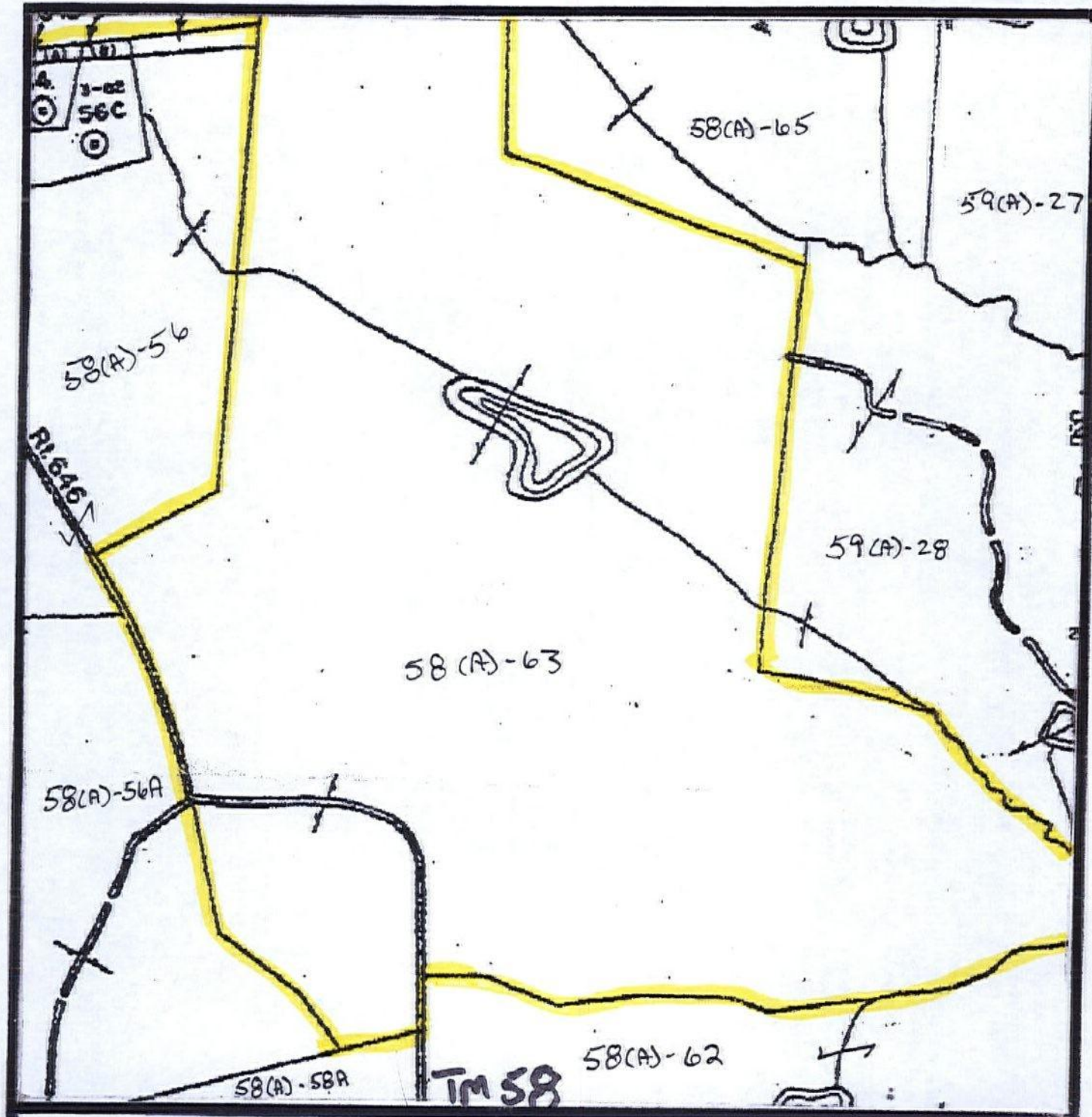


Scale: 1 inch = 660 feet

LUDLF 12-14

TAX MAP





Scale: 1 inch = 660 feet

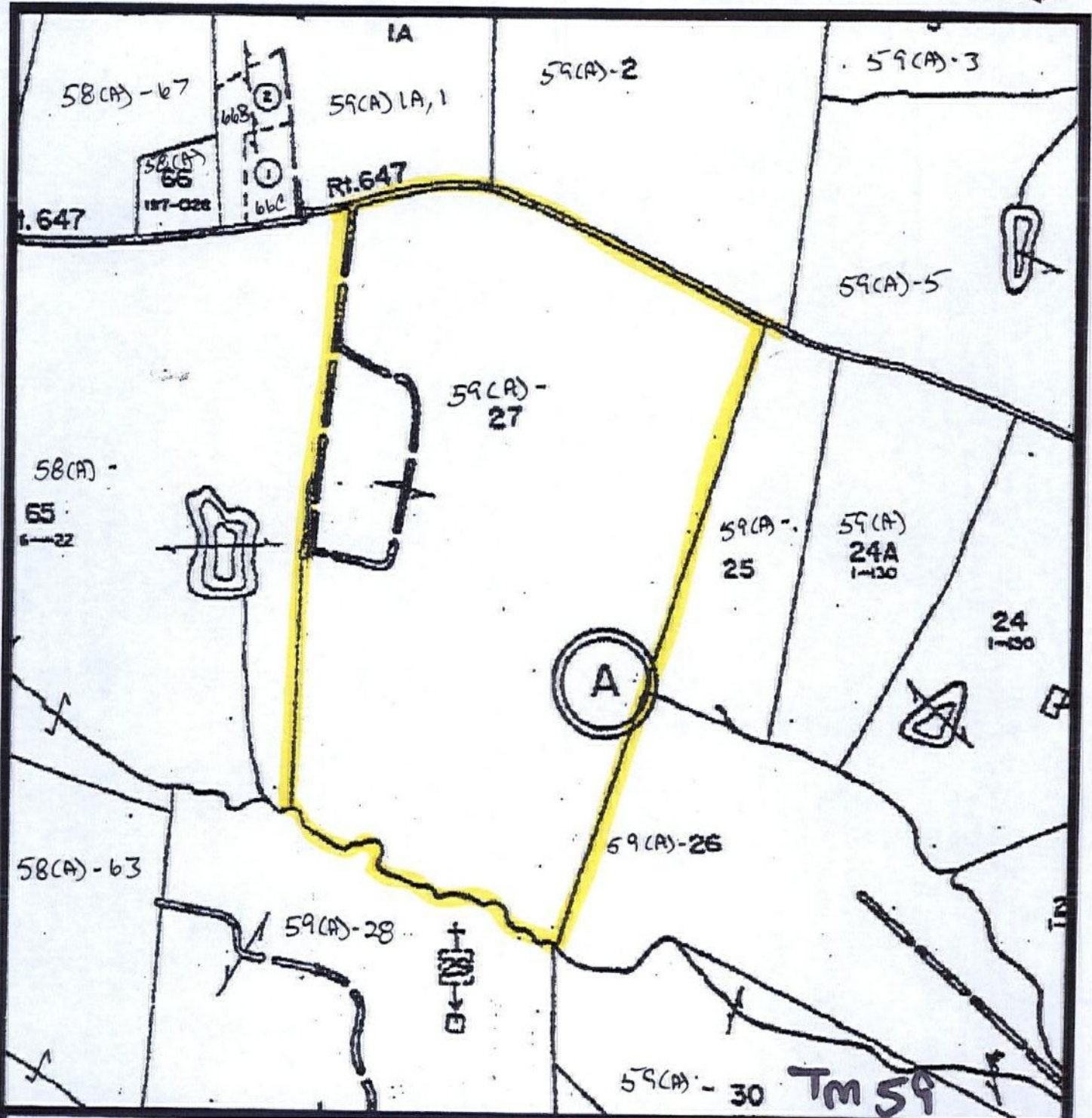
LUDLF 15-17

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

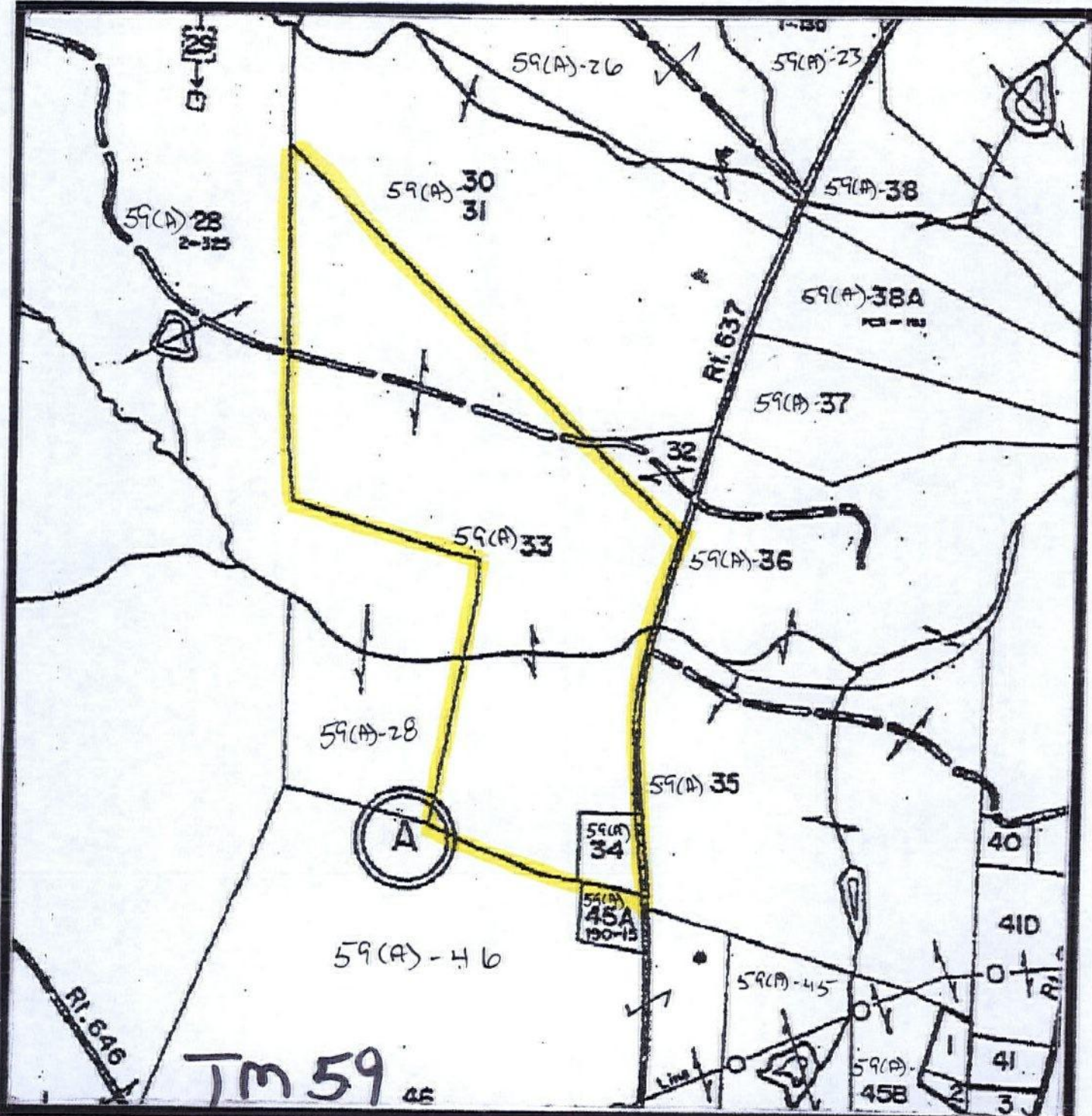
LUDLF 18

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

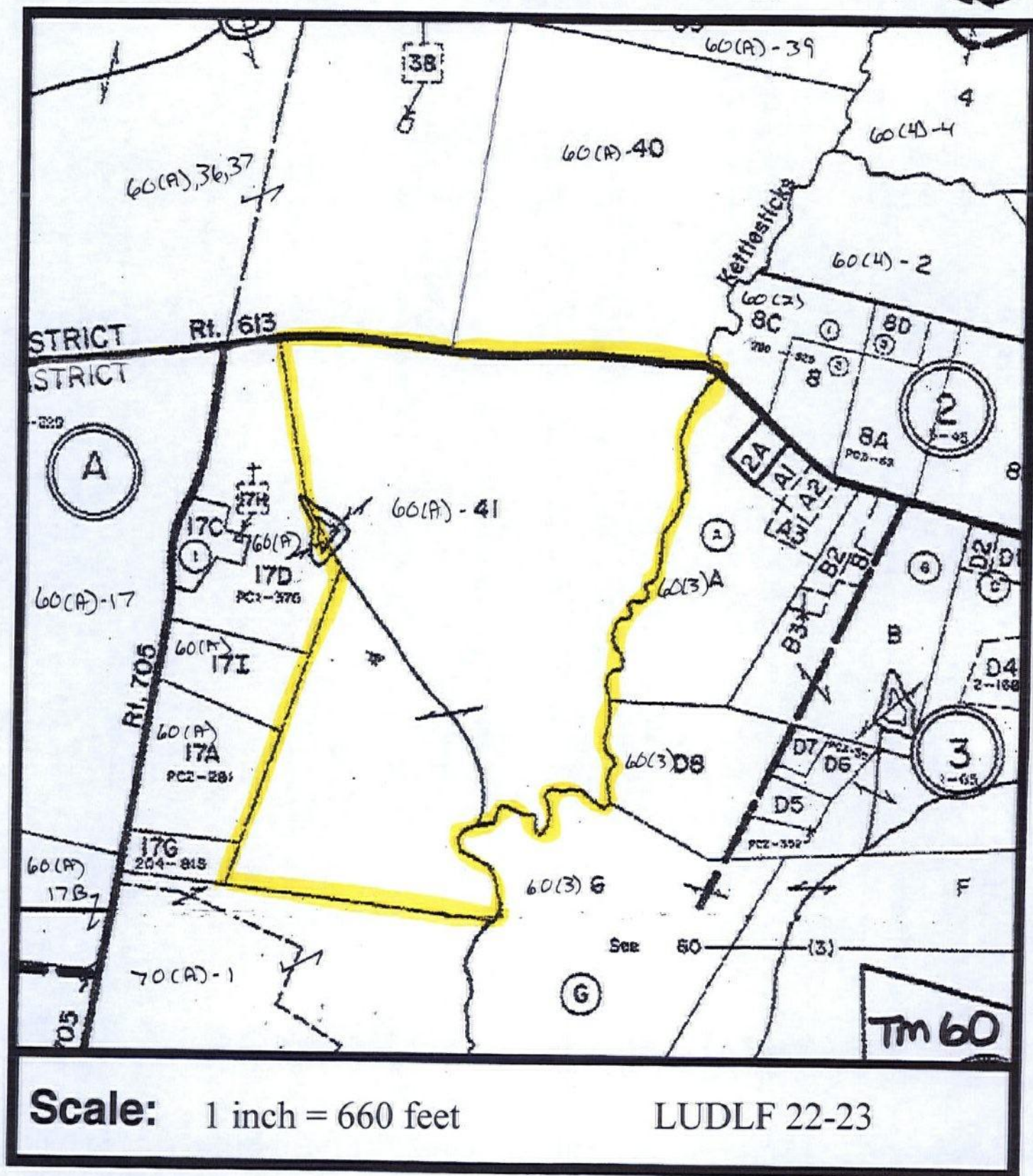
LUDLF 19-21

TAX MAP



Inc.

(Biosolids Land Application)



TAX MAP



ADJOINING LANDOWNERS

DIXIE LEE FARMS

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
46(A)	1	Illinois Municipal Retirement Fund
	2	Barnes Manufacturing
	22	Mark E. or Robin G. Wrenn
	23	Bernice L. Bishop
	24	Bernice L. Bishop
	26	Charles E. & Ruth W. Wallace
	28	Lucious Henry or Marion G. Clemons
	33	Illinois Municipal Retirement Fund
	36	Illinois Municipal Retirement Fund
	37	Good Hope Church
	38	Vicky J. Hall
	39	James M. or Wanda S. Campbell
	40	James M. or Wanda S. Campbell
46(6)	1	Mark E. or Robin G. Wrenn
	2	Mark E. or Robin G. Wrenn
47(4)	13	Elna B. Wallace & Richard T. Hite
	15	Bernice L. Bishop
58(A)	5	David S. Hoerruf or Teresa M. Cummings
	5A	James M. or Wanda S. Campbell
	6	Samuel A. Wallace, Jr.
	7	Merry Donna Tucker
	53	Dorothy Andrews or Evelyn Bodrick
	54A	Stephen or Sue L. Stupasky
	54B	Stephen or Sue L. Stupasky
	54C	Stephen or Sue L. Stupasky
	54D	Helen P. Johnson
	54E	Helen P. Johnson

ADJOINING LANDOWNERS

DIXIE LEE FARMS

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
58(A)	56A	Stephen & Sue L. Stupasky
	56L	Stephen & Sue L. Stupasky
	58A	Stephen & Sue L. Stupasky
	62	Haskins R. Bell
	65	Teresa L. Dicks
	65A	Buford H. or Mary M. Cabiniss
	67	Johnny K. Long
59(A)	1A	Stephen P. or Wendy A. Lindberg
	2	S.T. Ross
	25	Dorothy S. Martin
	26	Bessie Mae Callahan
	28	John H. or Patricia S. Washburn
	30	Sandy & Rebecca Anne Wills
	31	Sandy & Rebecca Anne Wills
	35	Mason S. Reese
	36	J.E. Gee
	45A	Mark S. or Connie W. Reese
60(A)	46	Early Mason & Louise Reese
	17A	Elbert Johnson
	17D	Robert or Karen A. McQuillan
	17G	Elbert Johnson
	17I	Robert or Karen A. McQuillan

ADJOINING LANDOWNERS

DIXIE LEE FARMS

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
60(A)	36	R. R. Givens
	37	R. R. Givens
	40	Otis Reese
60(2)	8C	Jamison C. Coon, Lynn H. Hyde, Martin
60(3)	A	Cecil E. Shell
	D8	Cecil E. Shell
	G	Charlyse Shell
72(A)	1C	G.B. Raggsdale Indnc.



Scale: 1 inch = 660 feet

LUDLF 1

SOIL MAP





Scale: 1 inch = 660 feet

LUDLF 2-4

SOIL MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



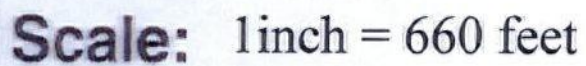
Scale: 1 inch = 660 feet

LUDLF 5-7

SOIL MAP



(Biosolids Land Application)



LUDLF 8-9

SOIL MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)

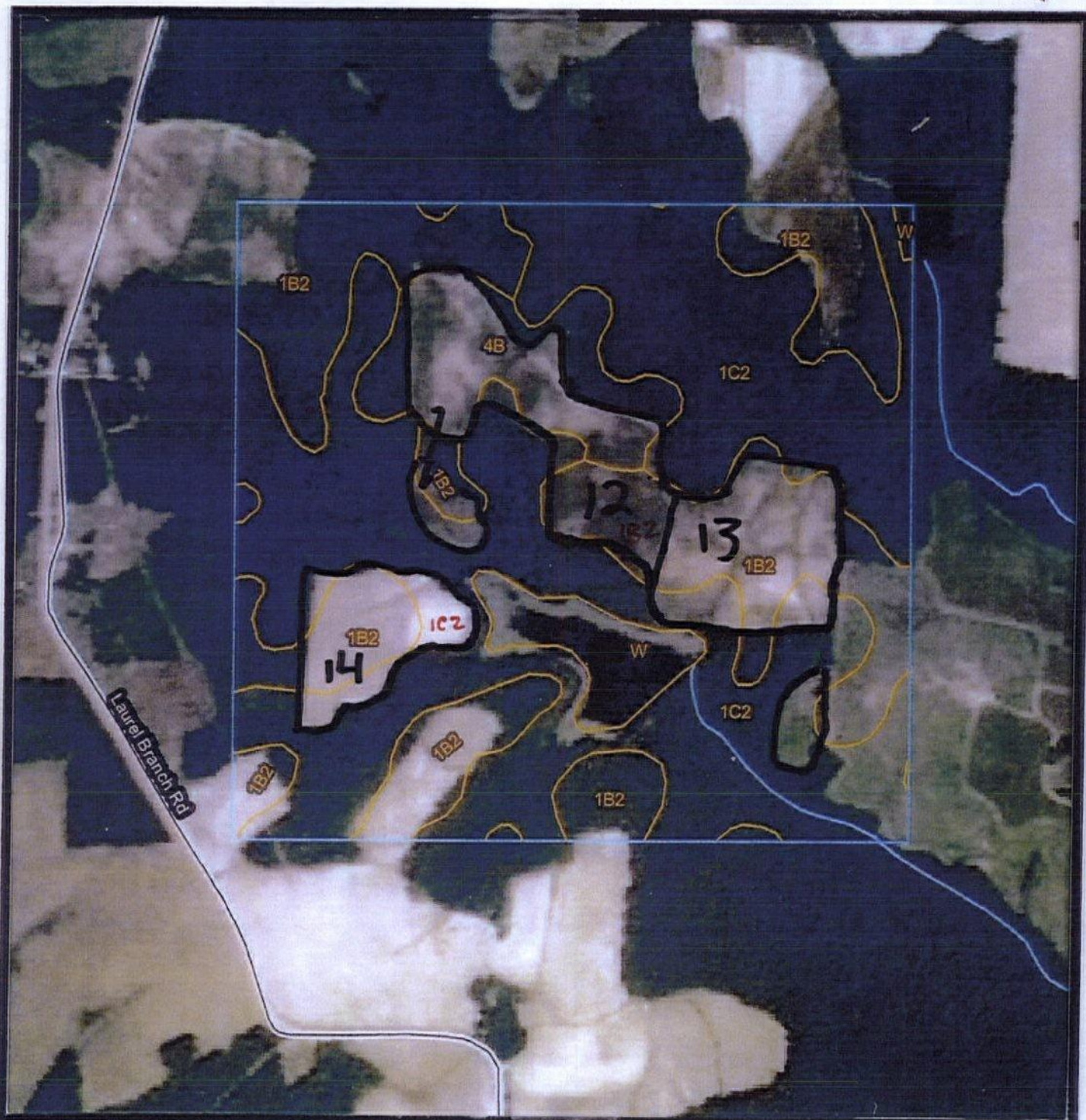


Scale: 1 inch = 660 feet

LUDLF 10-11

SOIL MAP



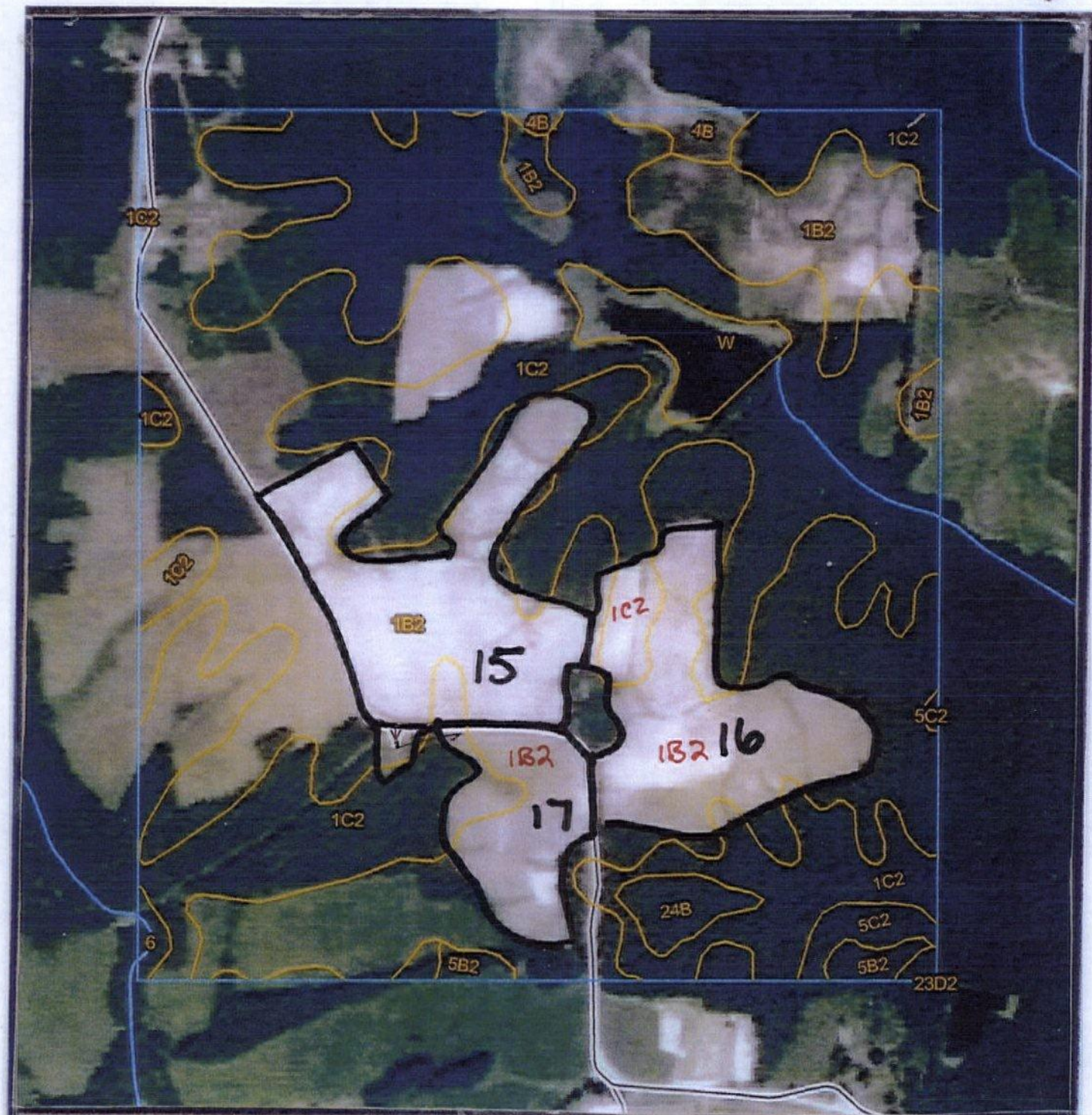


Scale: 1 inch = 660 feet

LUDLF 12-14

SOIL MAP



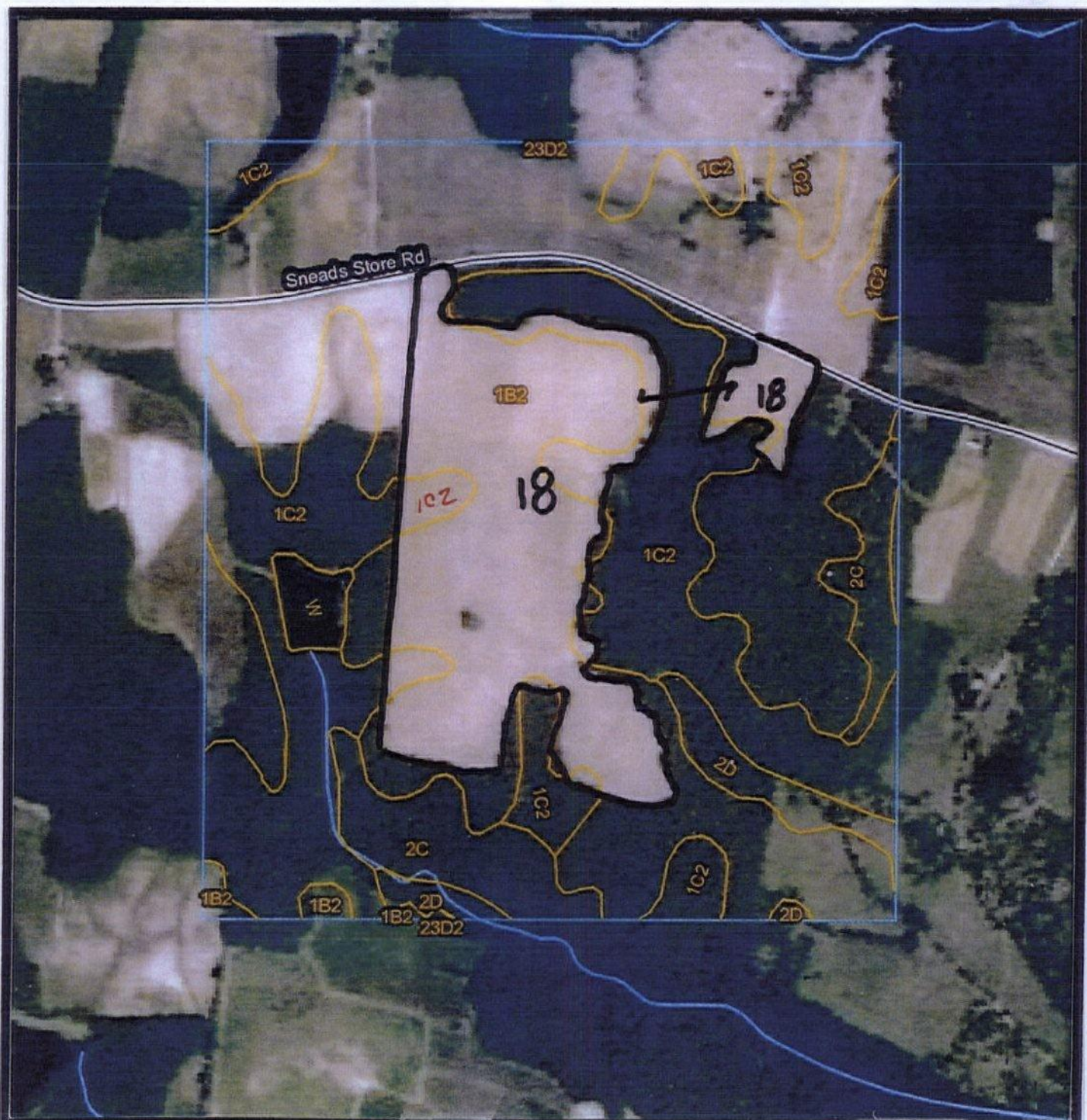


Scale: 1 inch = 660 feet

LUDLF 15-17

SOIL MAP



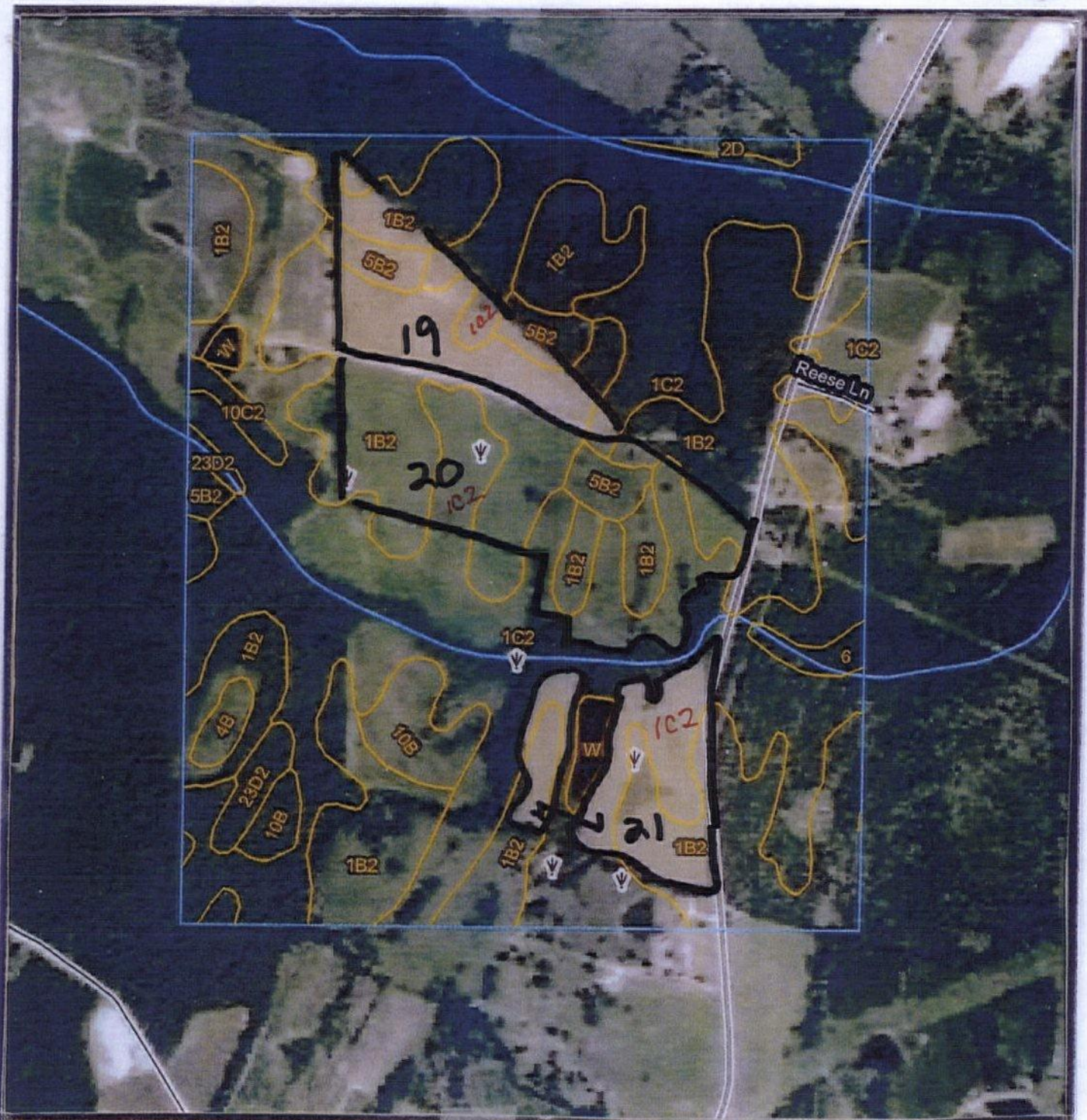


Scale: 1 inch = 660 feet

LUDLF 18

SOIL MAP



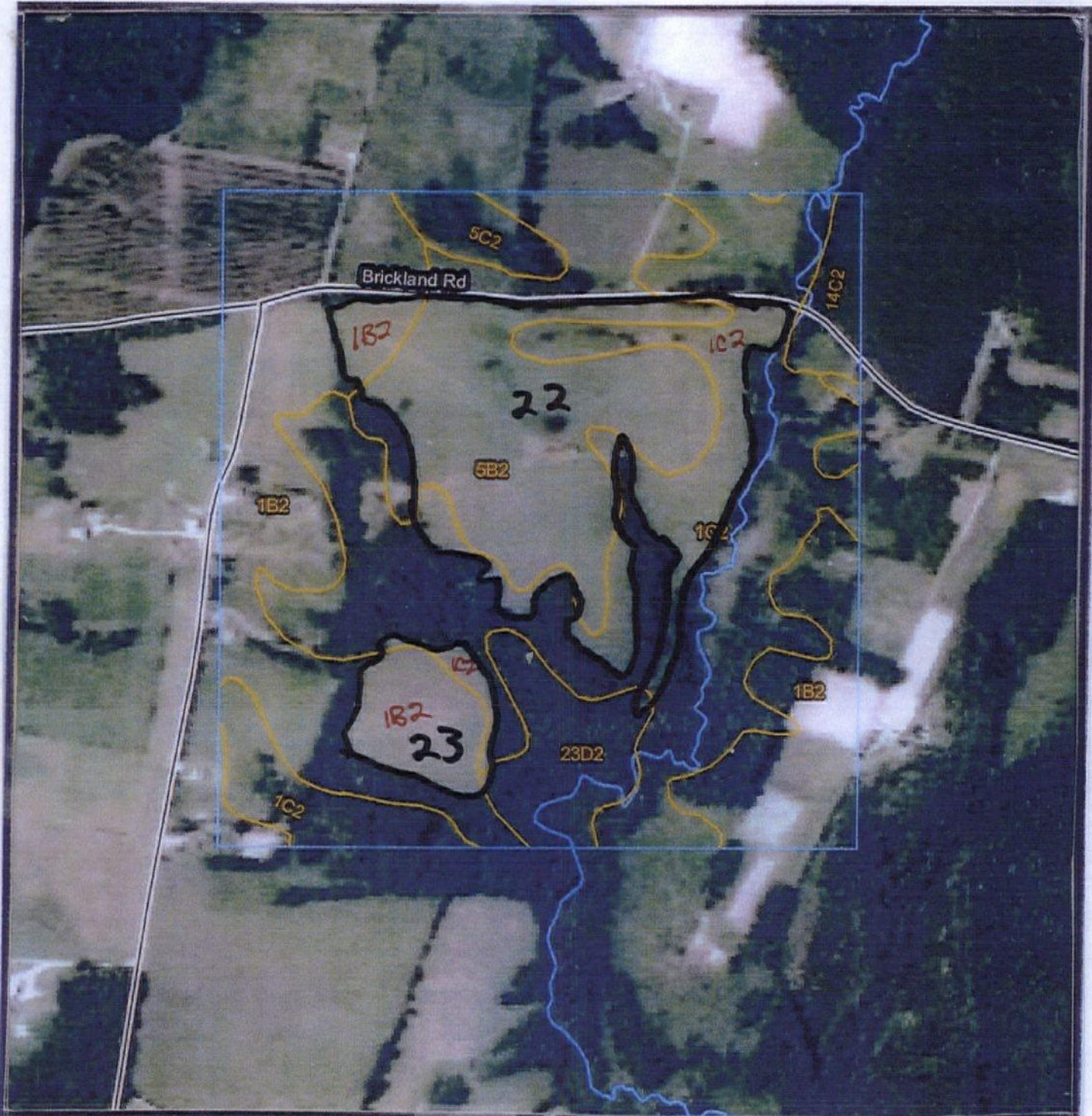


Scale: 1 inch = 660 feet

LUDLF 19-21

SOIL MAP





Scale: 1 inch = 660 feet

LUDLF 22-23

SOIL MAP



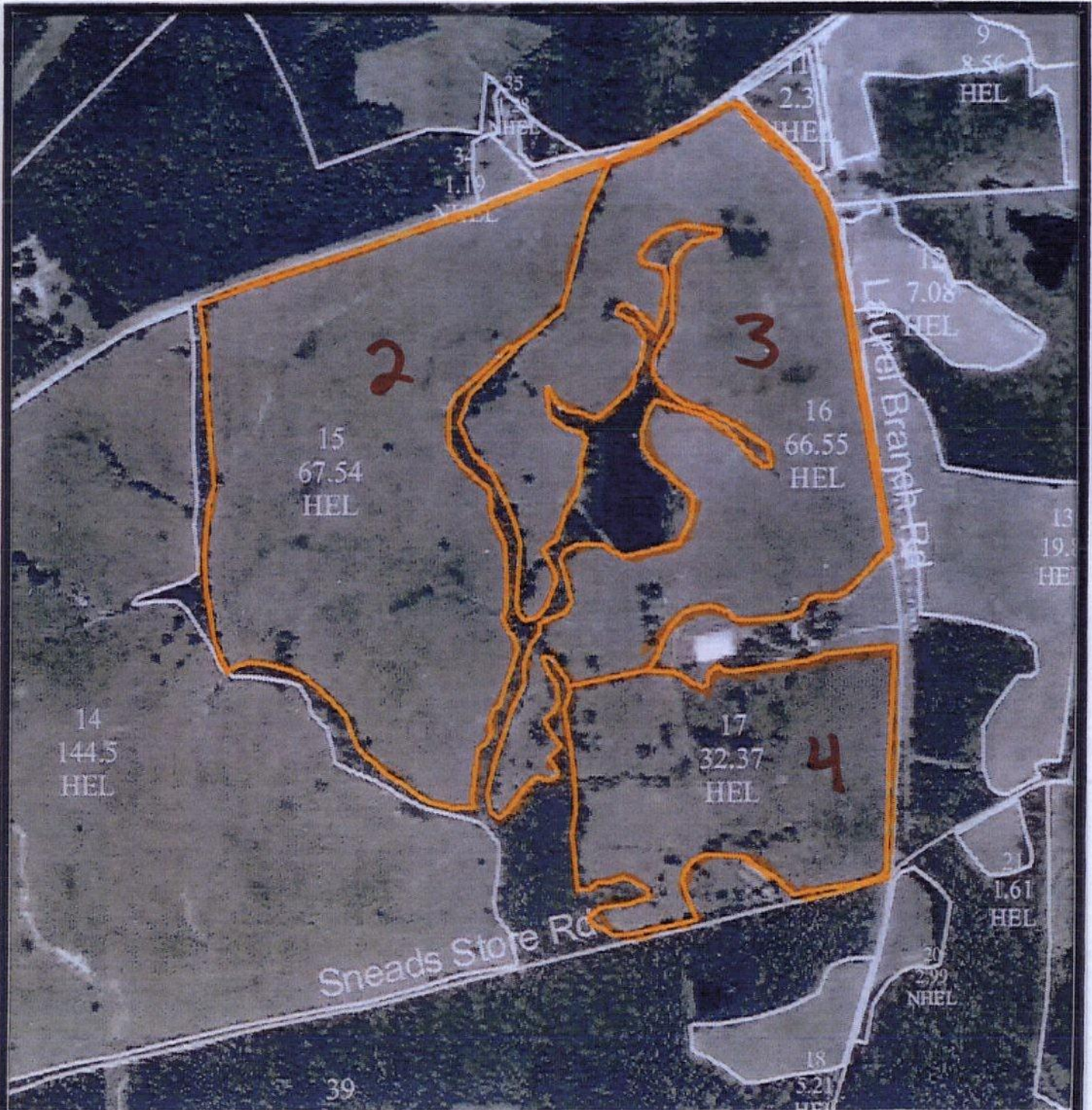


Scale: 1 inch = 660 feet

LUDLF 1

AERIAL MAP



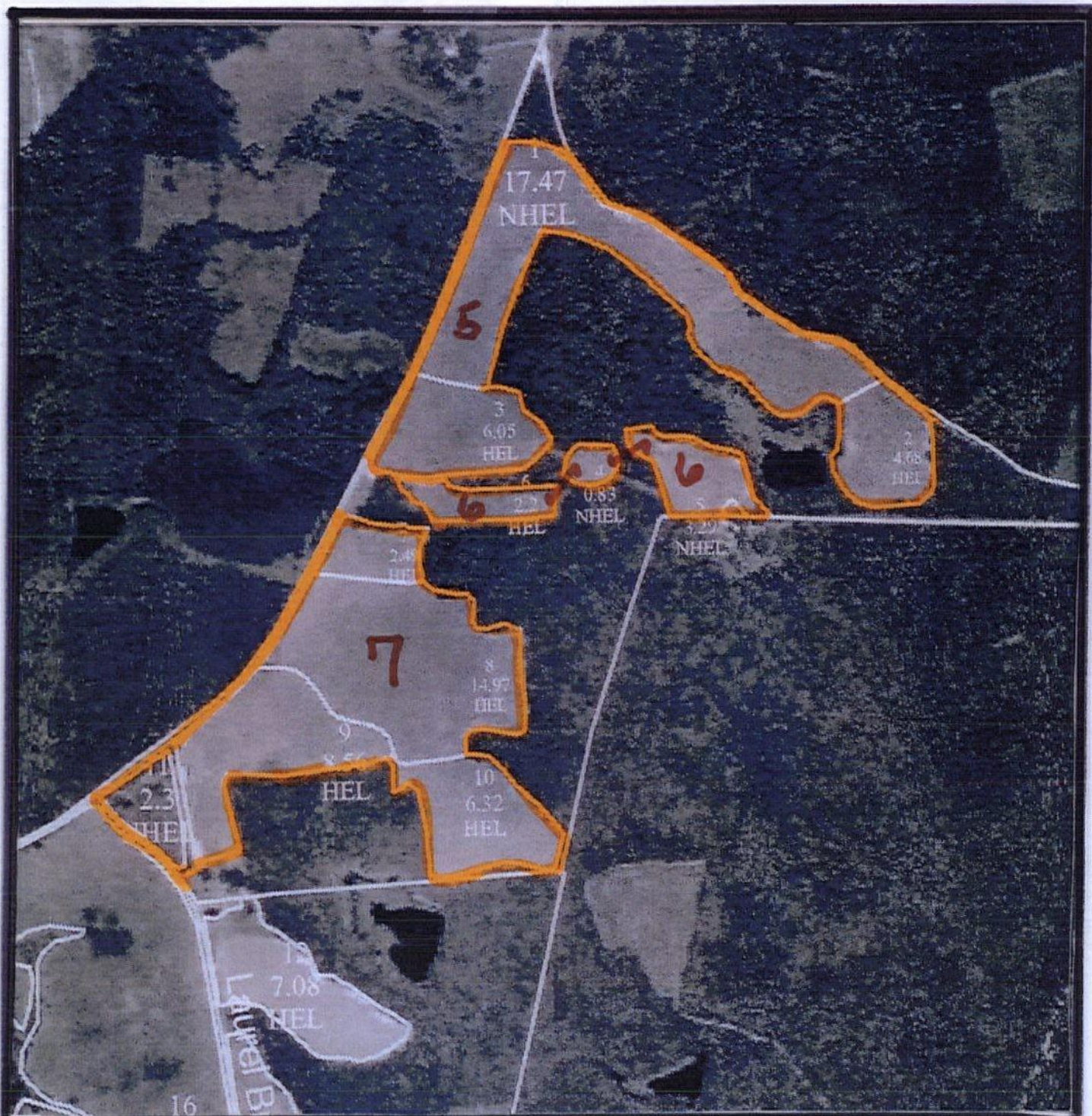


Scale: 1 inch = 660 feet

LUDLF 2-4

AERIAL MAP





Scale: 1 inch = 660 feet

LUDLF 5-7

AERIAL MAP





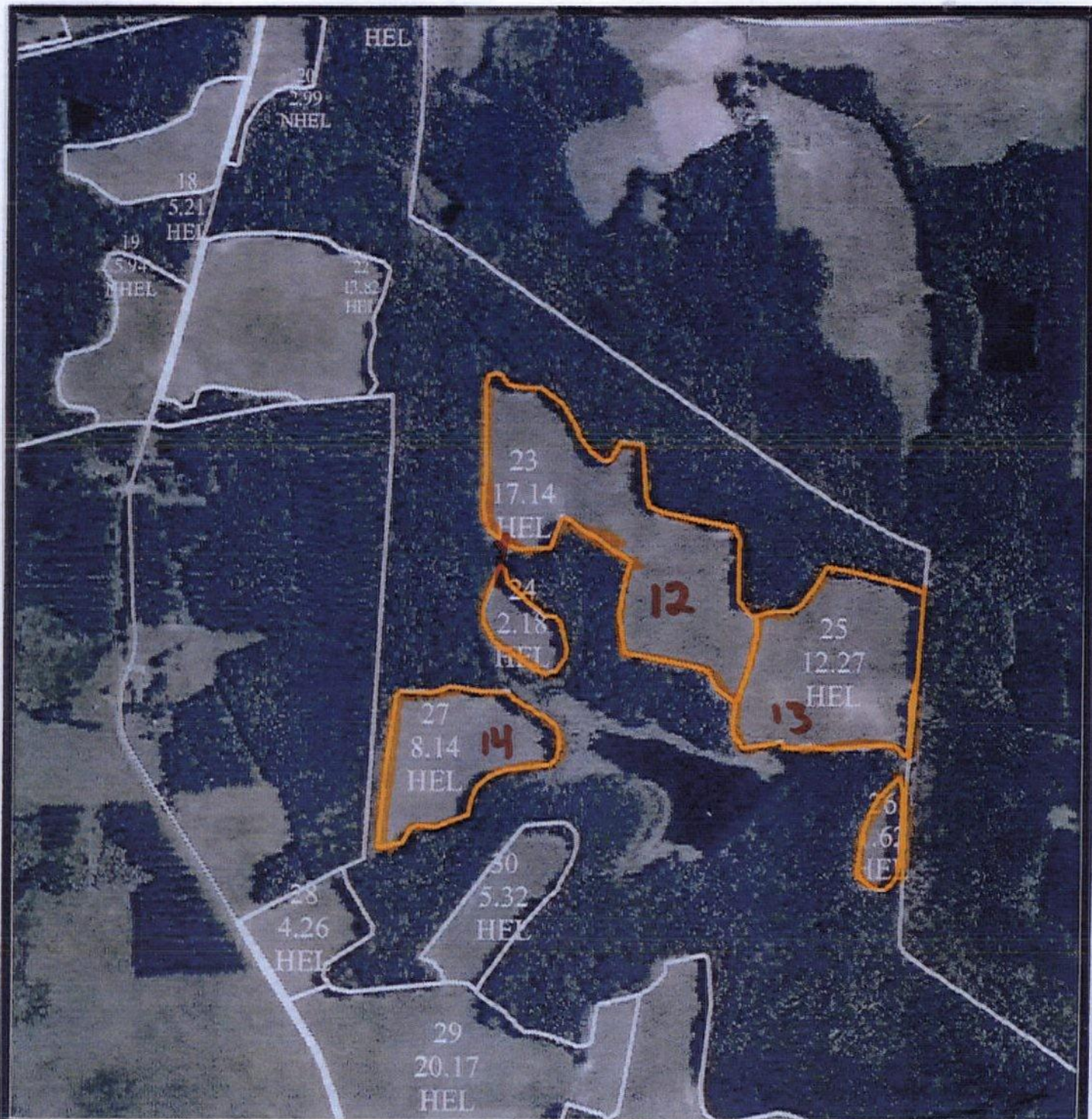
Scale: 1 inch = 660 feet

LUDLF 8-9

AERIAL MAP







Scale: 1 inch = 660 feet

LUDLF 12-14

AERIAL MAP



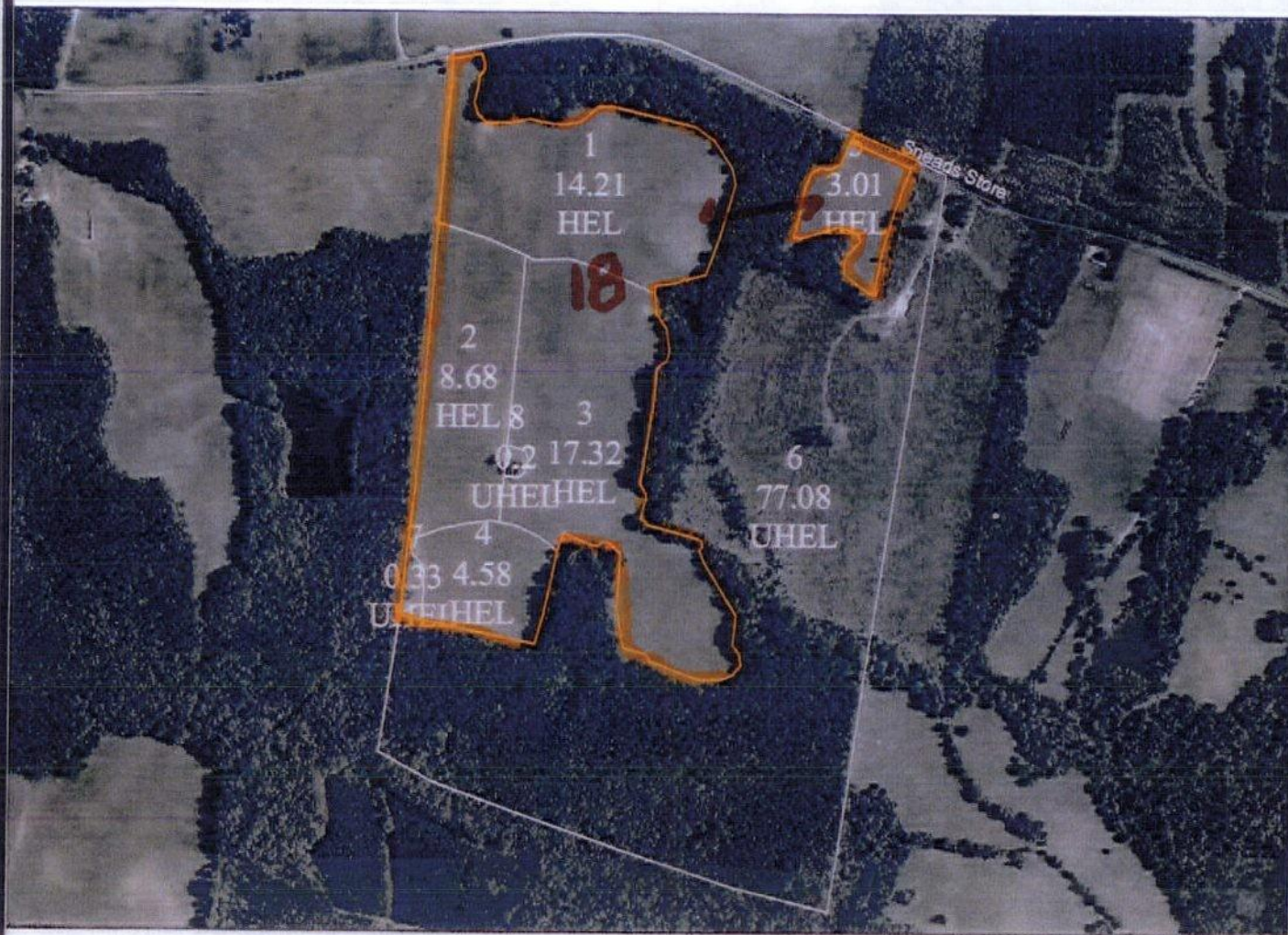


Scale: 1 inch = 660 feet

LUDLF 15-17

AERIAL MAP





Scale: 1 inch = 660 feet

LUDLF 18

AERIAL MAP





Scale: 1 inch = 660 feet

LUDLF 19-21

AERIAL MAP





Scale: 1 inch = 660 feet

LUDLF 22-23

AERIAL MAP



Legend for Site Plan



House and Well



Well / Spring



Perennial Streams & Surface



Wet Spot



Intermittent Stream / Drainage



Trees and Woods



Private Drive



Rock / Rocky Area



Sinkhole



Severely Eroded Spot



State Road



Field Boundary / Fence



Property Line



Slope

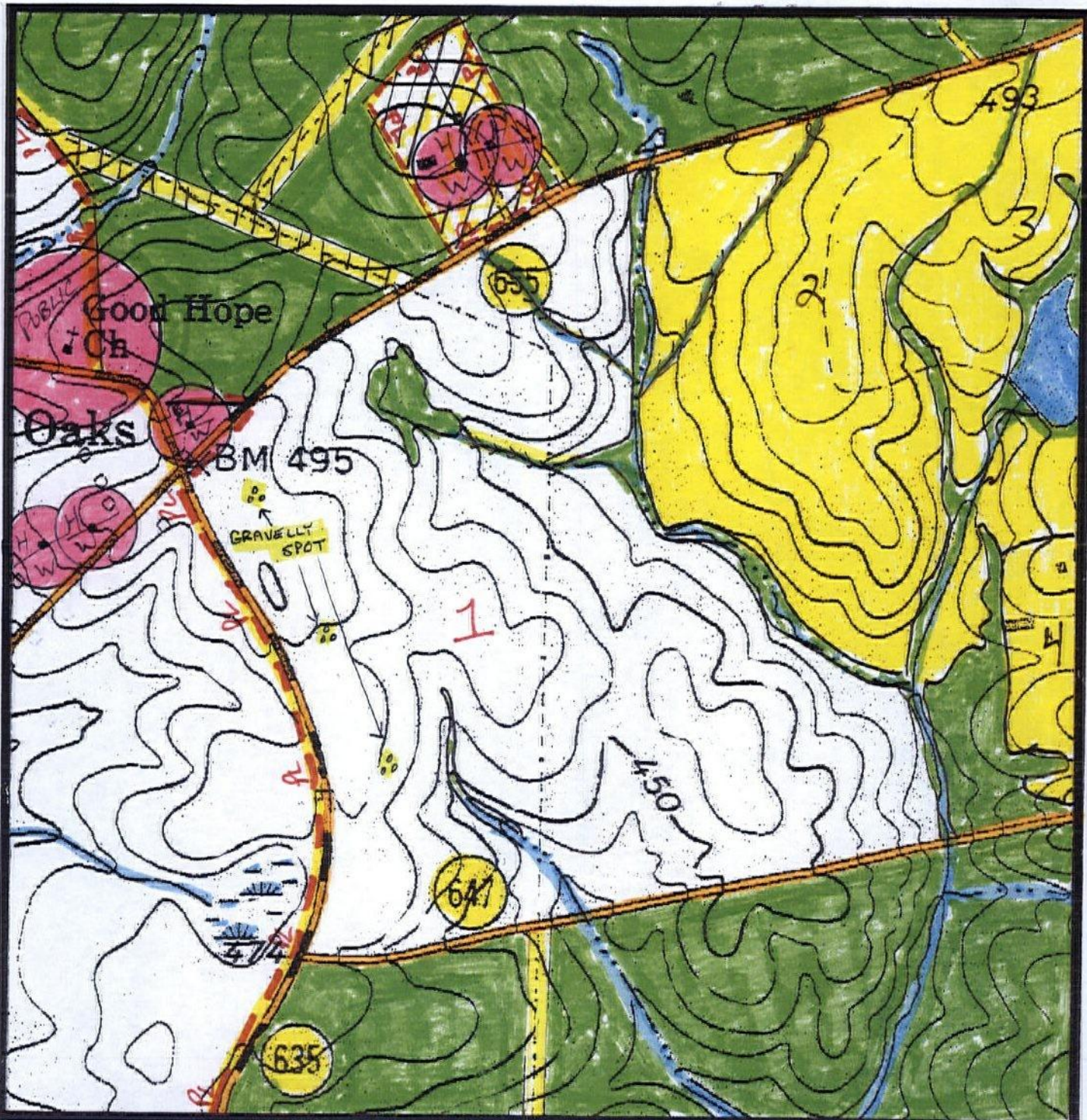


Frequent Flooding

Recyc SystemsTM

Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

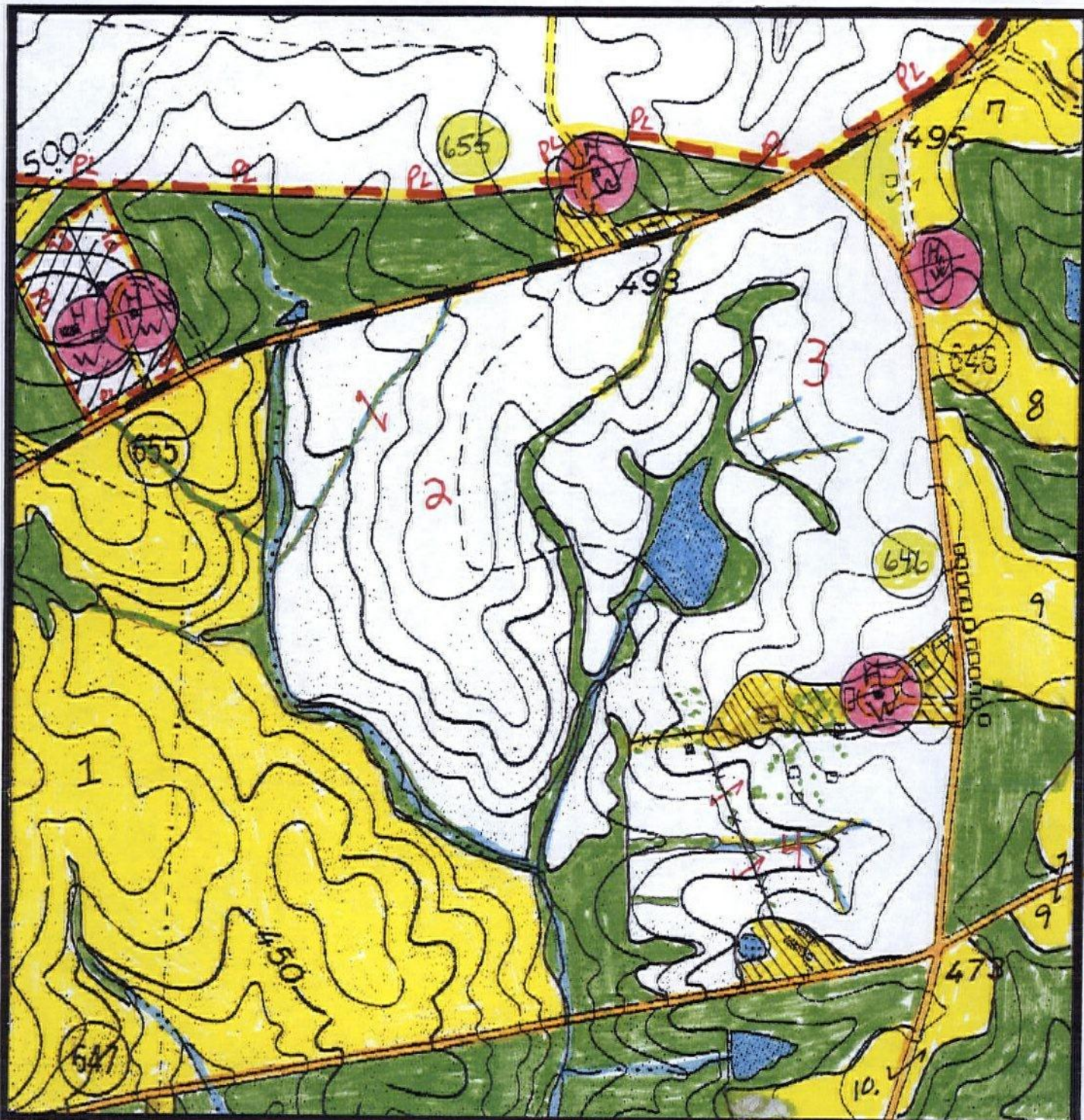
LUDLF 1

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

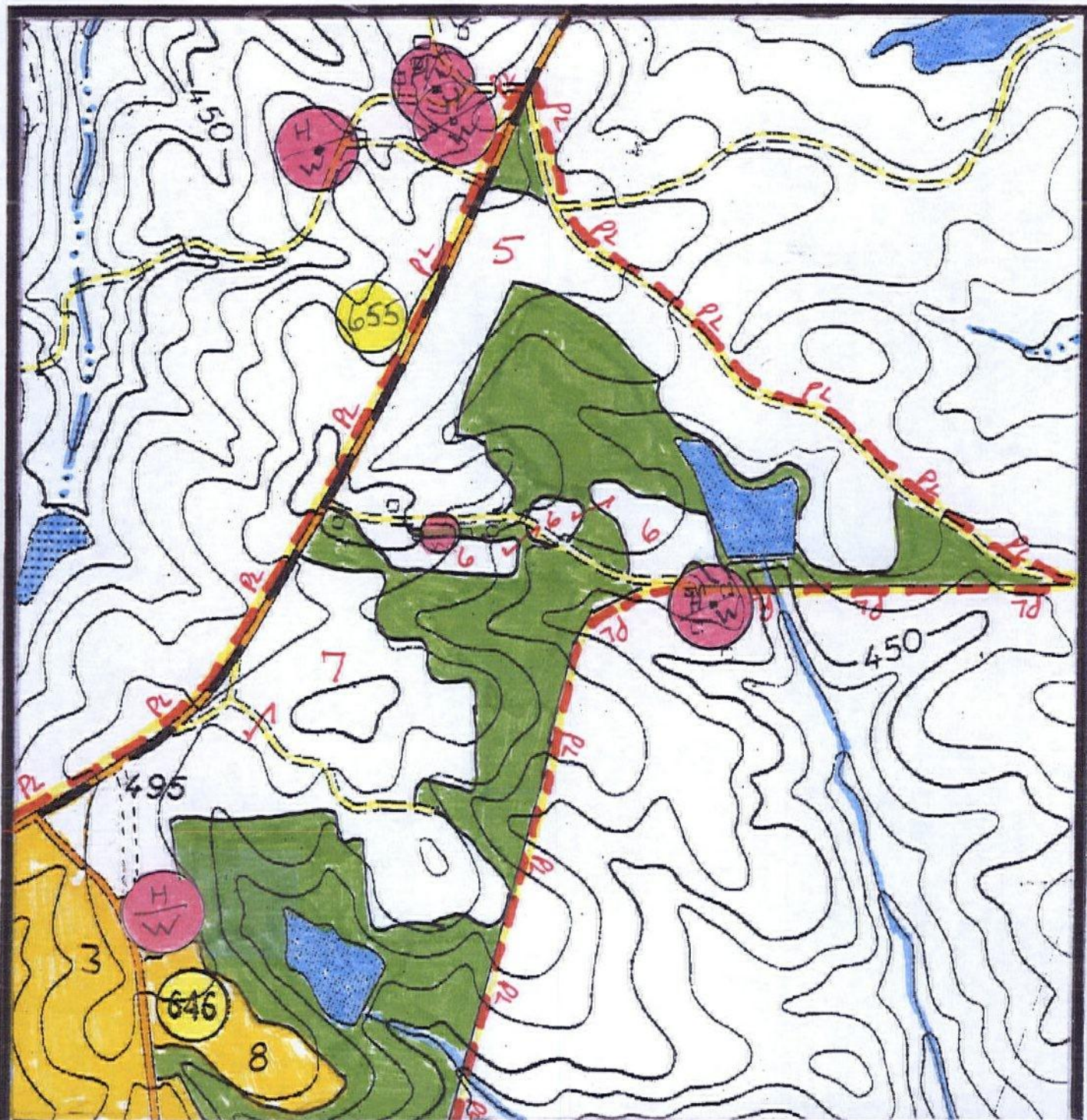
LUDLF 2-4

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

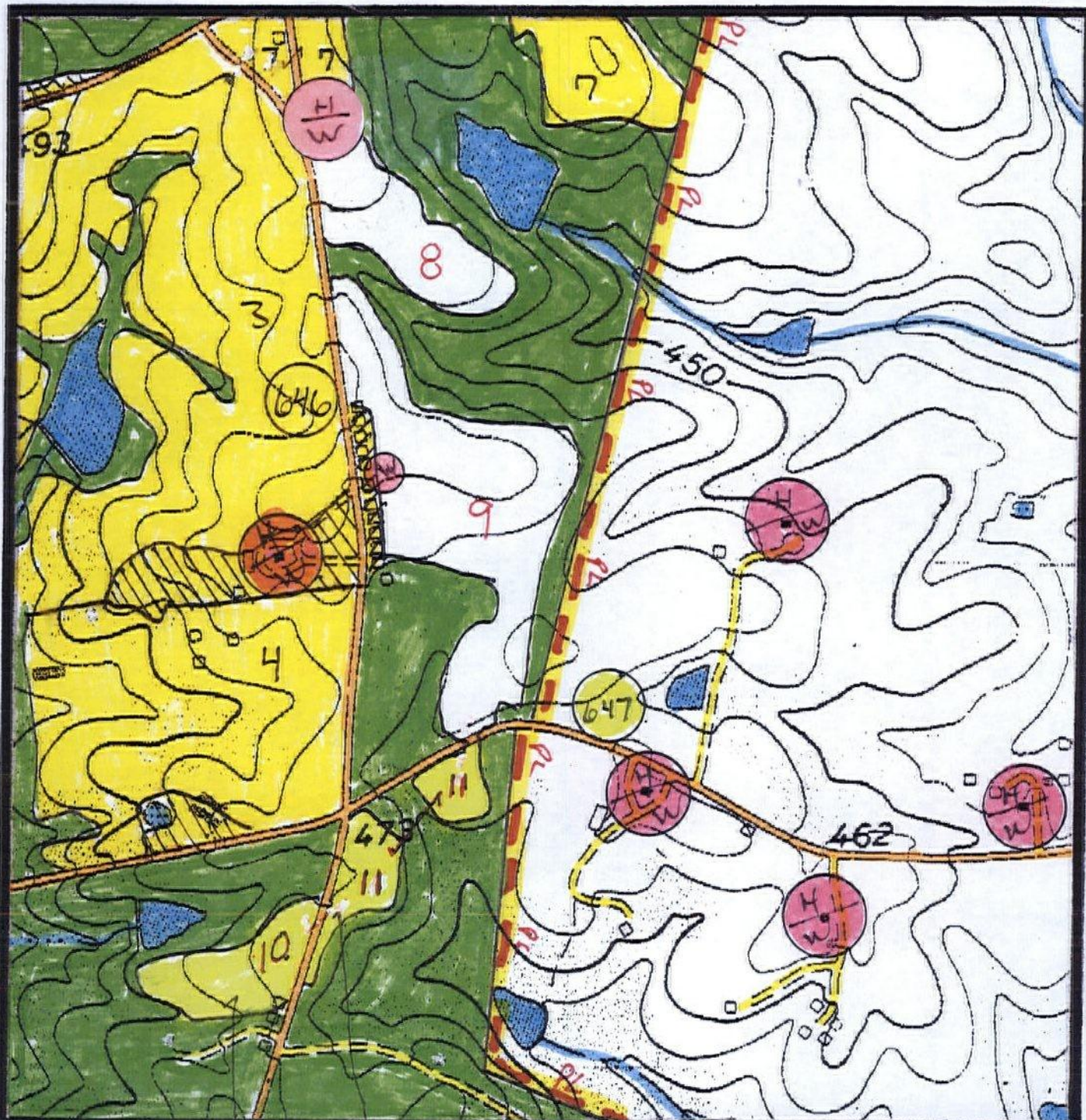
LUDLF 5-7

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

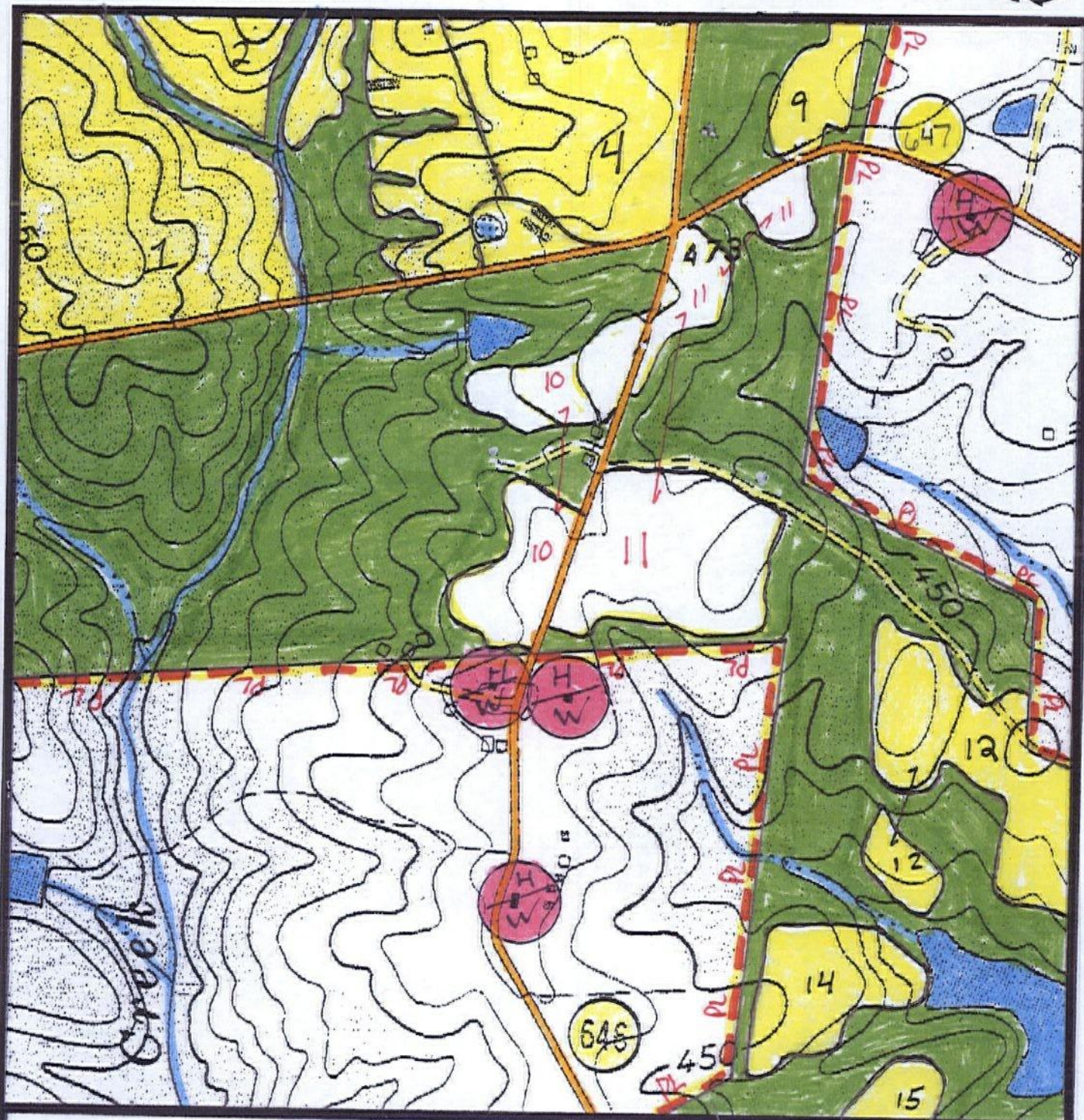
LUDLF 8-9

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

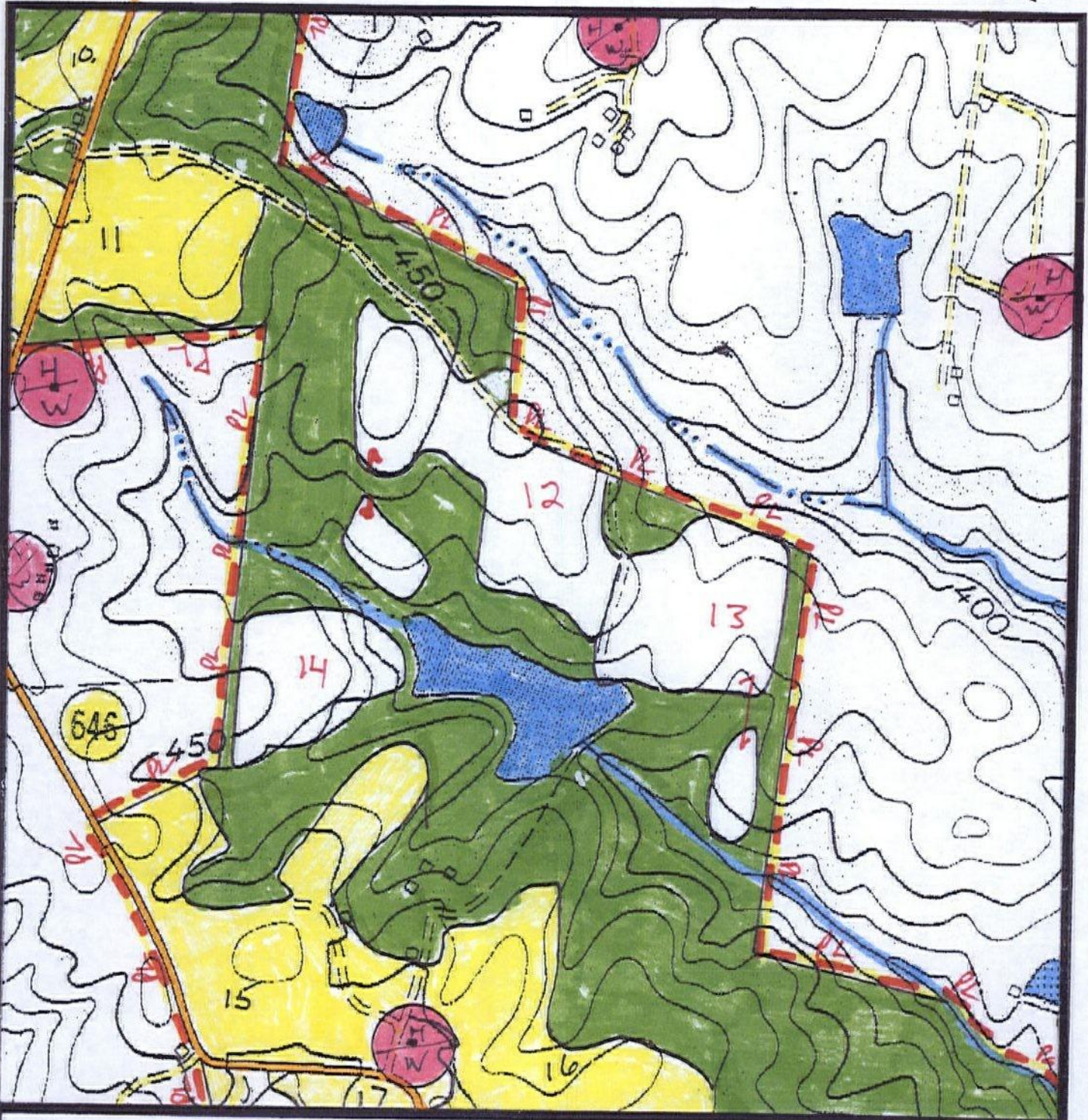
LUDLF 10-11

SITE PLAN



Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

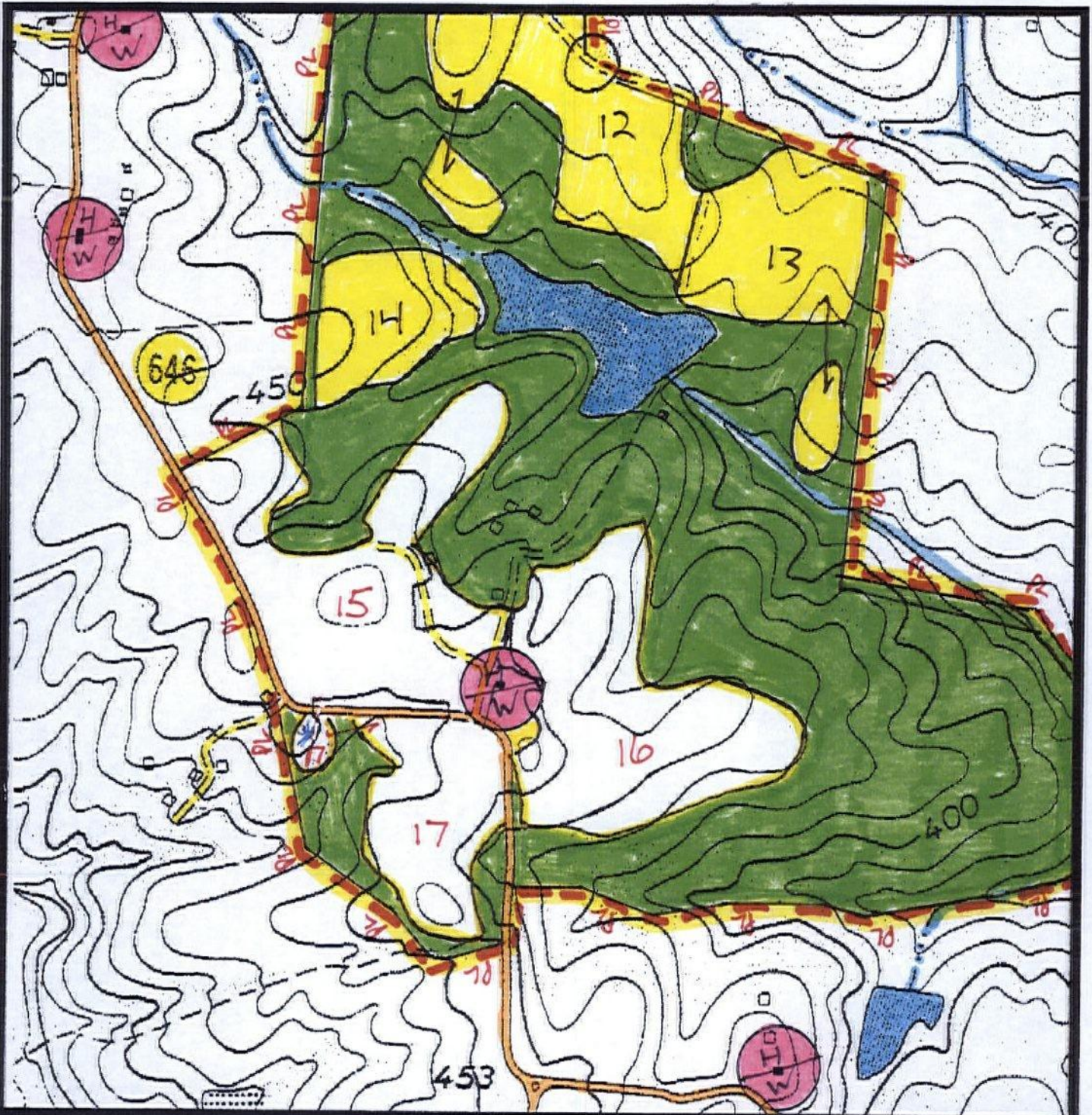
LUDLF 12-14

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUDLF 15-17

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

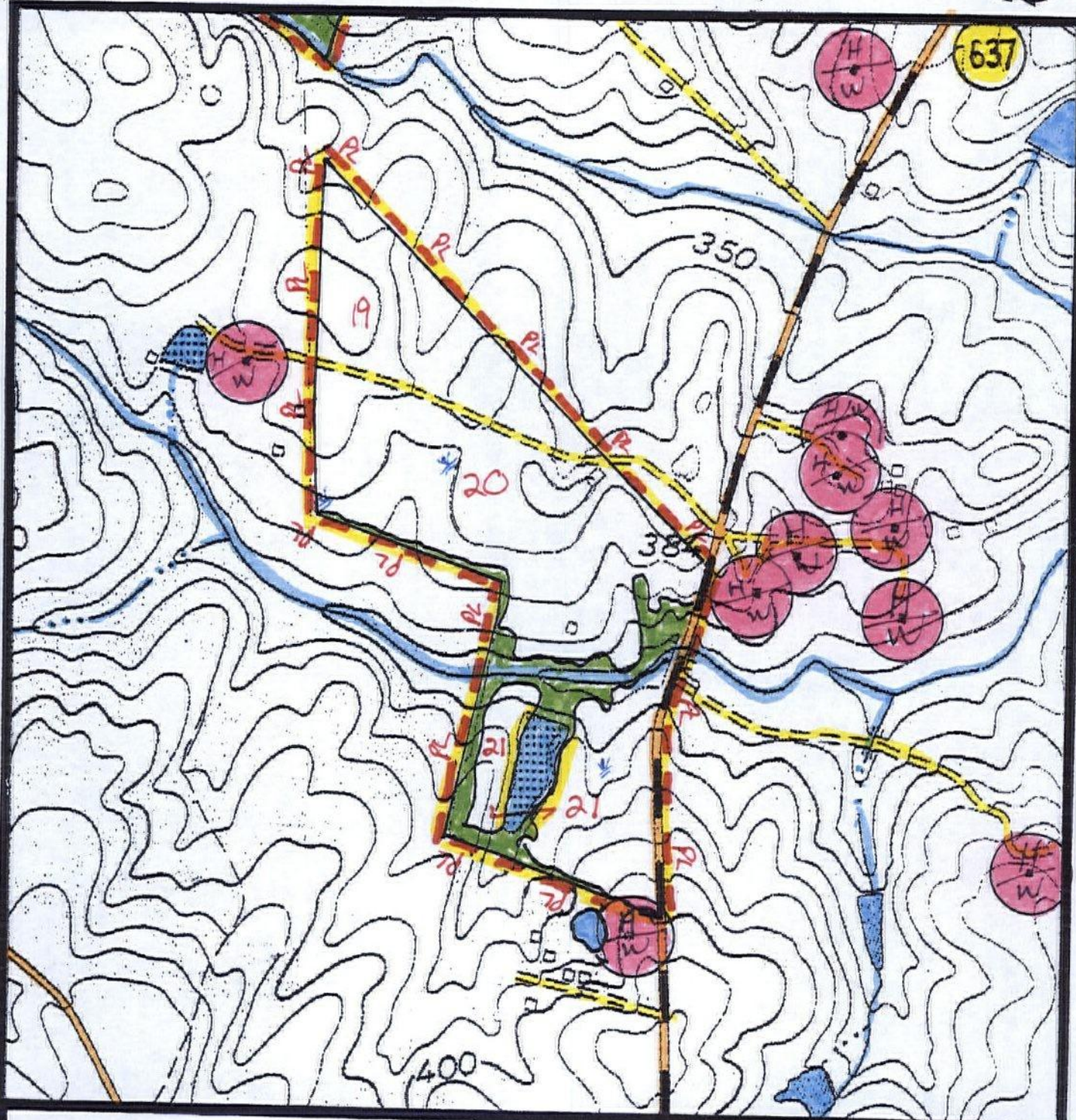
LUDLF 18

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

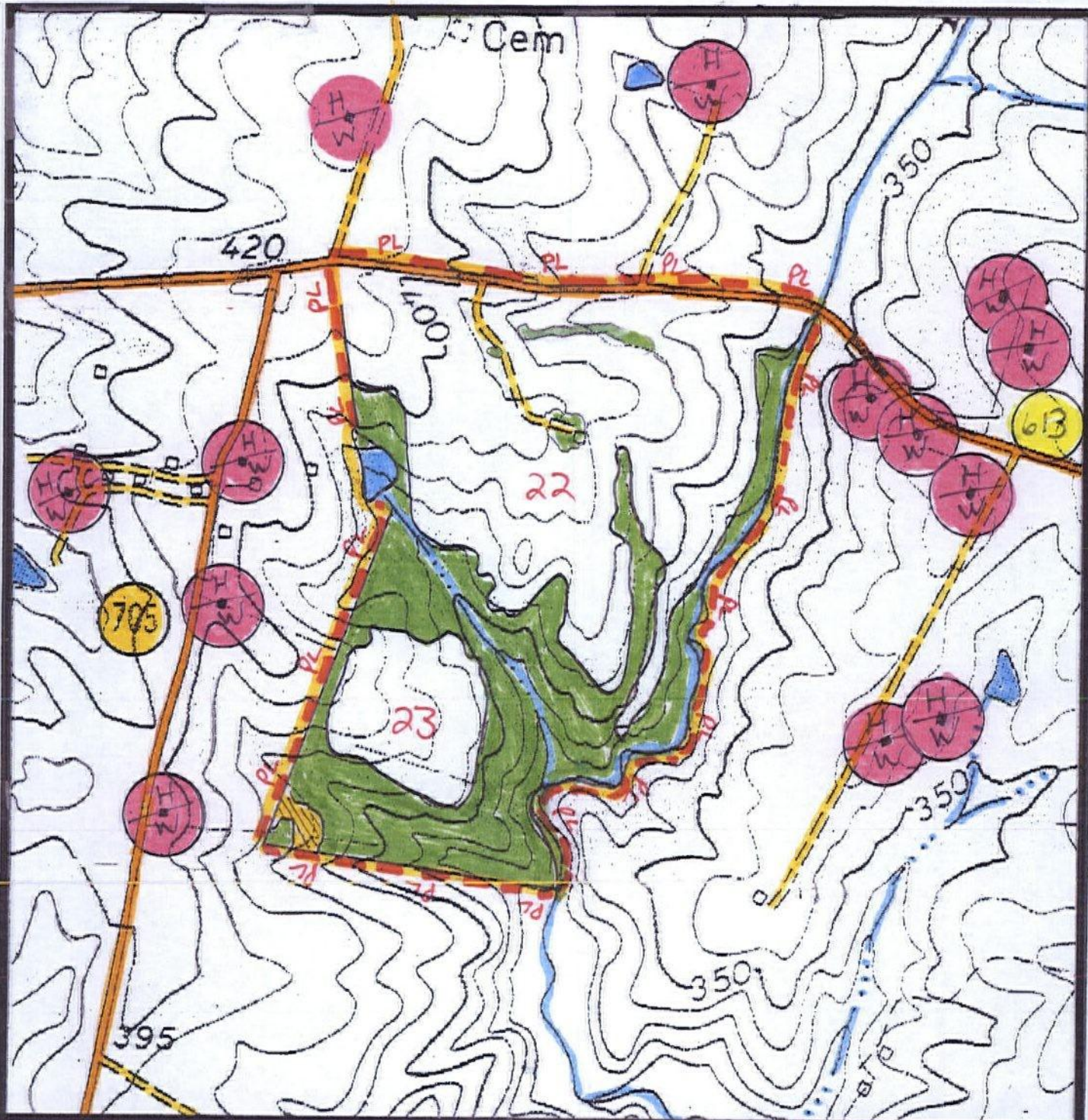
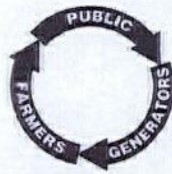
LUDLF 19-21

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

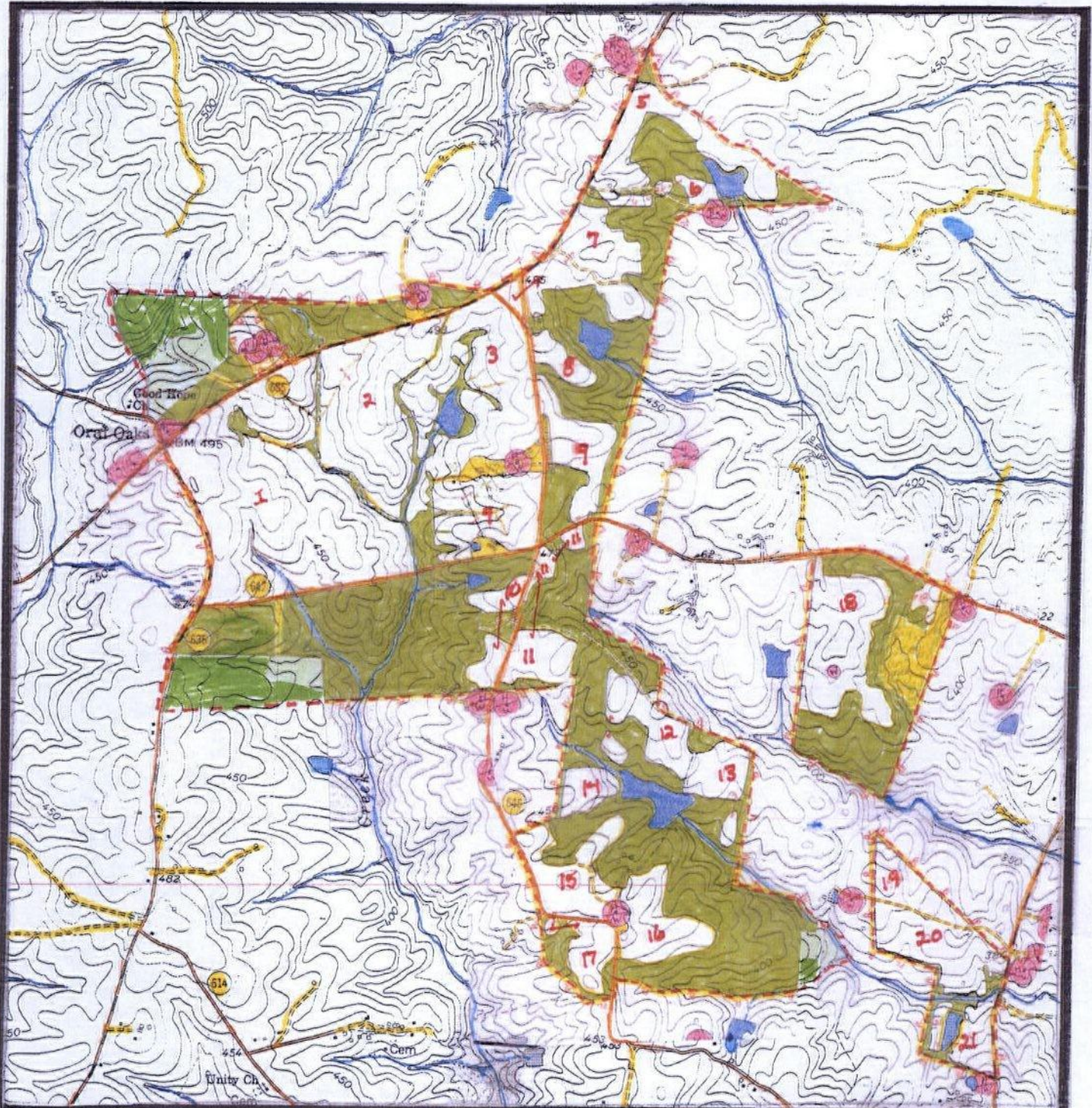
LUDLF 22-23

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

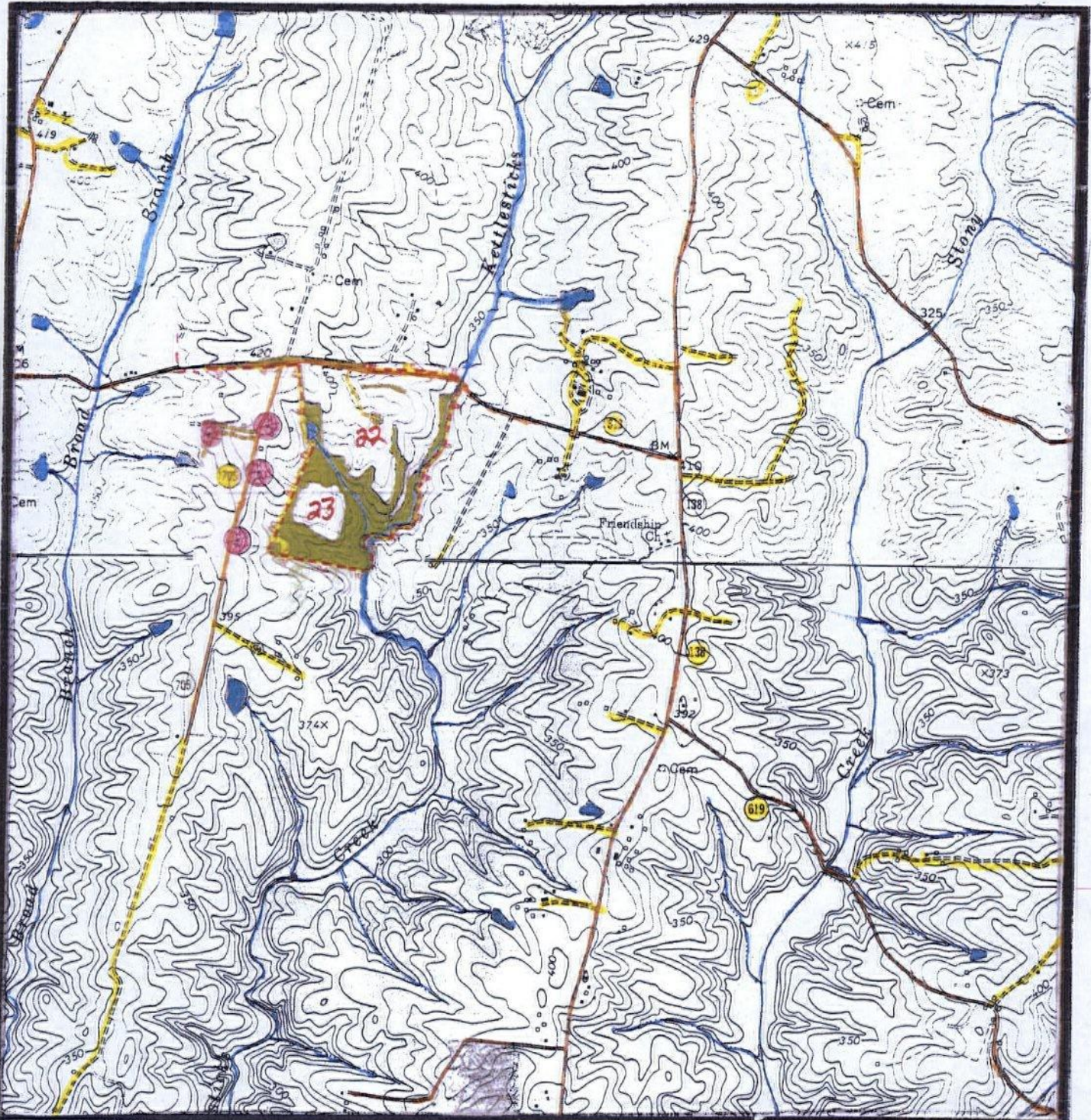
LUDLF 1-21

TOPOGRAPHIC MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

LUDLF 22-23

TOPOGRAPHIC MAP

